

For Retailer, Wholesaler and Manufacturer

APRIL 4 1964

QUININE

QUINIDINE

PIPERAZINE

EPHEDRINE



LAKE & CRUICKSHANK LTD

MANUFACTURING CHEMISTS

NORTH BRIDGE ROAD

BERKHAMSTED

LEK 19

Tel: Berkhamsted 1880/1/2

Cables: Lake Berkhamsted



ytline

PRECISION SCALE THAT SELLS AT ONLY.

Forceful advertising now appearing in leading glossies tells your customers all about this remarkable scale and its incredibly low price. Waytline's unique plastic-covered top is available in a choice of 3 beautiful colours. Every scale is supplied with personal weight card and is GUARANTEED FOR 5 YEARS. Advertising blocks and give-away leaflets free on request.

FLEETWAY MANUFACTURING CO. LTD

Charlton Road, Edmonton, London N9 · HOWard 5051

A MEMBER OF THE GALLAS GROUP OF COMPANIES







...with Robinson's new golden cereal

Following the success of Robinson's Barley Cereal, comes another newcomer, Robinson's Sweet Corn Cereal. Here is an exciting new taste for 1964 babies. And this year the increasing birthrate is expected to reach 1,000,000. Sweet Corn Cereal, made from ripe golden maize with added milk solids, is easily digested and pre-cooked for speedy preparation. Like all Robinson's Baby Cereals, it is fortified with extra vitamins and minerals.

Handsome new pack The woolly rabbit design makes the Sweet Corn pack a striking display piece in itself. Mother will quickly notice it and ask about this new cereal.

Nationally advertised Both the Daily Mirror and Woman's Own carry large space advertisements for Sweet Corn. Cash in on this advertising—order NOW. Ask our representative for full details.

ROBINSON'S

for happy weaning

KEEN, ROBINSON & CO., CARROW WORKS, NORWICH

15,000,000 WOMEN YOUR CUSTOMERS INCLUD,



WILL BE ASKING FOR

because it's SWEET YET SUGAR FREE

WHEN PUT ON SALE for the first time last summer, slimmers quickly realised that Bisk-o-Lem pure lemon juice was instantly palatable because it was sweet, yet without extra calories.

FROM NOW until the end of summer, Bisk-o-Lem will feature in big space advertisements in the Daily Express and the Women's Weeklies — WOMAN, WOMAN'S OWN, WOMAN'S MIRROR, WOMAN'S REALM — which cover 73% of all women, the keenest pure lemon juice drinkers ... that's a lot of your customers. In all, these publications sell over a million copies per issue — the Daily Express sells over four million — which means that millions will see this compelling Bisk-o-Lem advertisement.

VERY SOON millions of slimmers will be asking for BISK-o-LEM, the delicious, sweet Bisk-o-Lem pure lemon juice. Check your stocks now. Send for showcards and crowners to help you with your counter display for Bisk-o-Lem.

TERMS: 42/7d. per dozen plus 6/5d. tax. Retail at 4/10d. NO BOTTLE RETURNING. Order Bisk-o-Lem direct or from your usual wholesaler.

TRADE MARK

SWEETENED

E LEMON JUICE

4/10d. Bisk-o-Lem at 42/7d. doz., plus 6/5d. tax, plus 13 to dozen retail display bonus.

Also.....Crowners

Showcards

Just stick your label (or rubber stamp) in this space and post to

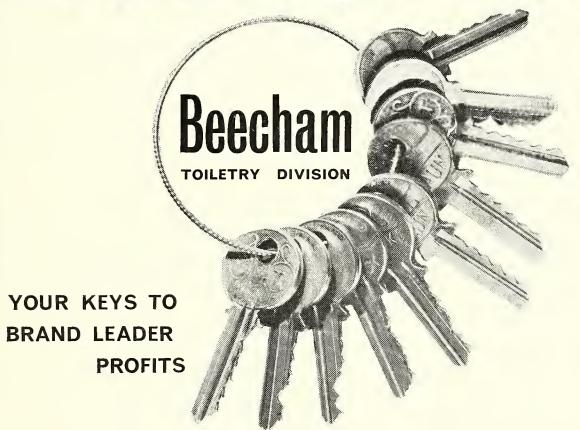
BRITISH CHEMOTHEUTIC PRODUCTS LTD., GRANT STREET, BRADFORD 3. Tel: 22005

or Southern Distribution Centre:

LOWFIELD HEATH, CRAWLEY, SUSSEX. Tel: Crawley 27164



The symbol's the same but we've changed the name



A change in name—no change in meaning for this striking symbol. Same 10 top-selling lines. County Laboratories has always been a member of the Beecham Group of Companies. From April 1st...for County Laboratories Ltd....read BEECHAM TOILETRY DIVISION. You'll get the same top quality products. Same unequalled weight of advertising support. Same spectacular deals, same superbly effective merchandising. Concentrate on Beecham toiletries—your keys to brand leader profits.

BRYLCREEM

Brand Leader in Men's Hairdressing Market.

MACLEANS Fastest expanding brand of toothpaste. Now second in the market.

SILVIKRIN Brand Leader in Liquid Shampoo Market. VOSENE Brand Leader in

Medicated Shampoo Market.

BRISTOW'S LANOLIN Brand Leader in Cream Shampoo Market. **AMAMI** Brand Leader in Hair-Styling Lotion Market.

SILVIKRIN HAIR CREAM With Brylcreem holds 71% of the Market.

BODY MIST SPRAY
DEODORANT Brand Leader
in Deodorant Market.

BRISTOW'S STAR SPRAY The big-selling aerosol hairspray with the famous name.

HILTONE Brand Leader in Hair Lightener Market.

BEECHAM TOILETRY DIVISION . BEECHAM HOUSE . BRENTFORD . MIDDLESEX

SPEGIAL SPRING BONUS



BUNTY BABY PRODUCTS

Direct retail orders only

12 FOR THE PRICE OF 10-6 DOZ. & OVER (may be assorted) in one delivery.

12 FOR THE PRICE OF 11-3 DOZ. & OVER (may be assorted) in one delivery.

Bunty Baby Cream	1/-	Bunty E
Bunty Baby Cream	1/6d.	Bunty E
Bunty Baby Cream	2/6d.	Bunty E
Bunty Baby Lotion	2/6d.	(8 oz. a

1/-	Bunty Baby Powder2/6d.
1/6d.	Bunty Baby Powder refill1/11d.
2/6d.	Bunty Baby Feeder1/6d.
2/6d.	(8 oz. graduated, with Free Teat).

BABY PANTS—AMAZING VALUE!

Specially made in a soft, opaque, nappy-concealing plastic. Elasticated legs, waterproof, completely hygienic, rose-scented and lanolised, giving ample nappy room. Best quality.

Baby Pants White, Blue & Pink

Super Baby Pants......Coloured Motifs with Free Matching Bibs.

SPECIAL QUANTITY TERMS

Note: for Baby Pants apply discount terms only—they do <u>NOT</u> qualify for bonus as well.

Write direct or see our representative



ALL BUNTY PRODUCTS

qualify for QUANTITY DISCOUNTS which may be made up with Moorlands, Penetrol Products, Cetal Tablets and Cabdrivers Linctus.

£10—less 10% £7.10.0—less $7\frac{1}{2}$ % £5 — less 5% £2.10.0—less $2\frac{1}{2}$ %

Orders Carriage Paid £5 and over (excl. P. Tax)—one delivery

NATION-WIDE ADVERTISING— RECOMMENDED THROUGH CLINICS

DISPLAY BUNTY FOR BIG PROFITS ORDER NOW! CHEMISTS ONLY

W. B. CARTWRIGHT LIMITED . RAWDON . LEEDS

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LARGE EXTRA PROFITS

from a POSTAL PHOTOGRAPHIC DEVELOPING AND PRINTING AGENCY

We do the work, you take 1/3 rd profit.

We have appointed many Country District Chemists and Photographic Dealers to our mailing lists.

AS OUR AGENTS you can compete in any town because WE ENLARGE ALL PRINTS (To Enprint) NO EXTRA CHARGE, Black and White-RETURN POST SERVICE.

COLOUR PRINTS PRODUCED IN OUR OWN LABORATORIES FROM ALL MAKES OF COLOUR 3-DAY SERVICE

All work priced retail

- ★ Despatch material ★ Despatch instructions
- * Show material
- **★ Counter stationery**

ALL SUPPLIED FREE OF CHARGE. APPLY NOW AND GET ON OUR LISTS FOR THIS SEASON

THE CAMERA HOUSE

PHOTOGRAPHIC SPECIALISTS (Dept. A.P.)

SQUIRES GATE TRADING ESTATE, BLACKPOOL. Tel: 44858

WARREN STANLEY & CO. LTD.

Wholesale Chemists

(formerly of Edgware)

announce the opening of their new warehouse and offices at:

37/41 PRATT STREET, CAMDEN TOWN, LONDON, N.W.I.

Telephones: GULliver 3464/5

The wholesalers who aim to please—OUR SLOGAN

"WE'RE IN BUSINESS FOR BUSINESS"

Have YOU taken advantage of our wonderful BONUS offer of 15% discount on 2/6 Scotties and 2/4 Andrex ????



DIXOR LTD. ST. LEONARD'S ROAD, MORTLAKE, S.W.14

KALIUM Pet Remedies

FOR ALL CAGE & AVIARY BIRDS

SCALEX for Scaly-Face. A safe cure, complete with brush. Per bottle 2/6d. retail.

ANTI-CRAMP. Complete with brush. Per bottle 2/- retail.

VIGAMOL. Fertility stimulant and tonic. Tocopherol and codliver oil. Per bottle 1/3, 3/- and 5/-retail.

KAL-MIN an essential mineral and vitamin diet supplement, ensuring perfect formation and growth of the bone structure. A powder which adheres to the seed. Per drum 1/4, 3/9 and 12/- retail.

ENTREX. For enteritis and intestinal ailments in cage birds. Per drum 1/9, 3/- and 6/-. Liquid Entrex 1 oz. bottle 2/3 retail.

sprite. An effective specific (and preventive) for fever, bronchitis, asthma. Per bottle I/6, 4/- and 7/- retail.

12/- retail. 4/- and 7/- retail.

Also Tropical and Cold Water Fish Foods

NATIONALLY ADVERTISED—GENEROUS DISCOUNTS

KALIUM PRODUCTS (REDDITCH) LTD.,

THOVALINE

Adelaide St., Redditch, Worcs. TEL: REDDITCH 4433

for:-

BEDSORES

BEDSORES can be prevented by applying THOVALINE before the trouble starts but if already in existence will help greatly in healing.

BURNS

BURNS Unique action. THOVALINE is self-sterile it eliminates pain and is a rapid healer.

DERMATITIS

URINE DERMATITIS Excellent healing properties where rash exists and will prevent such trouble occurring if applied beforehand. Offensive odour is eliminated.

Supplies from your usual wholesale house:

ILON LABORATORIES

LORNE STREET · HAMILTON · LANARKSHIRE

Tel: HAMILTON 410





Come and see HOW TO SELL by tomorrow's methods

There are bright ideas for every retailer at SHOPSHOW

This is a great opportunity—the only one of its kind in Britain—to see the latest, most go-ahead ideas, methods, equipment in every branch of the retail trade, from supermarket and shop to coin-op laundry. Shop fittings . . . self-service equipment . . . refrigeration . . . display goods . . . cash registers . . . at SHOPSHOW you can see, compare and price them all. Special features will include:

Self-Service Forum—Latest ideas on business administration.

"Now—we're competing with each other"—experts survey the key factors in competition. Monday to Wednesday, May 11-13; open to delegates, fee 2 guineas.

Shopshow Arcade — Techniques for many trades.

Display at its latest and best—in an arcade of model shops emphasising how modern methods can be applied to all types of outlet.

Packaging Demonstration — An increasingly important field.

Introduced '62—enlarged '63—this outstandingly successful feature this year presents even more new techniques, items of equipment.

Coin-op Exhibition — Including vending machines.

Sponsored by POWER LAUNDRY + CLEANING NEWS — this exhibition joins SHOPSHOW to present one of the most rapidly growing shop developments of today—coin-op laundry and cleaning equipment plus automatic vending machines.

Plus conferences, organised tours, etc.

The coupon below will bring you full information and free season ticket.

	MAIL NOW
4.	TO: SHOPSHOW, DORSET HOUSE, STAMFORD STREET, LONDON, S.E.I.
	Please send your brochure and free season ticket.
	NAME
	FIRM
	ADDRESS
	DATE.
	C.D.I

OPTREX LIMITED PRICE CHANGES

EFFECTIVE FROM 3rd APRIL, 1964.

	OPTREX, SMALL SIZE, STANDARD	OPTREX, SMALL SIZE, WITH EYE BATH
OLD RETAIL PRICE (including P. Tax)	2/10	3/2
NEW RETAIL PRICE (including P. Tax)	3/-	3/3
TRADE PRICE per dozen	22/8	24/7
P.TAX per dozen	5/8	6/2

REGULAR Optrex users will need Optrex without the special eye bath. **NEW** Optrex users will need Optrex with the special eye bath.

See pages 18 and 19 for News of Optrex Promotional Activities for 1964.

REMEMBER OPTREX IS A CHEMISTS' ONLY LINE



are selling



now backed by big scale, go-ahead NATIONAL CONSUMER

This is the big break Swarfega stockists have been waiting for! Never before has such a weight of advertising been used to boost your sales.

FULL 12 MONTH CAMPAIGN Continuous advertising in big circulation national newspapers and all major T.V. networks assures a continuous demand that enables you to—

stock with confidence: Swarfega sales are certain

PRESS ADVERTISING

TELEVISION

POINT-OF-SALE AIDS

Daily Express Daily Mail Daily Mirror Daily Telegraph Daily Sketch London Evening News Daily Express Scottish Daily Mail Scottish Daily Record

London - June, July, August. Southern - May, June, July. Midlands - May, June, July. Anglia - May, June, July. Northern (Lancs. & Yorks.) - May, June, July. TWW (Wales & West Region) - May, June, July. Tyne Tees (North East) - May, June, July. Scottish - April. Grampian - April.

- include colourful new display cartons and window-stickers; all designed to help you to more sales.

ask your wholesaler for supplies to meet the demand created by the biggest Swarfega promotion ever

CLEANSER

CHEMICAL **PROPRIETARIES** DEB LTD. BELPER DERBYSHIRE

- a heavier pair for

make more regular



We believe that women who should own at least two pairs housework, and a lighter pair for leisure wear. This helps your customer use of elastic hosiery – and means extra business for YOU.

We have produced a book which explains surgical hosiery and the more than one pair of stockings. We need your help in distributing it. A special display card has been prepared incorporating a supply of leaflets explaining

the importance of sending for this free book.

If you display this card prominently you will be helping your customers – and creating additional sales.

This will of course be backed up by the Lastonet service—Measurement forms – 3–5 days service for made-to-measure stockings – return-of-post service for stockings from stock – everything post free and all provided under the N.H.S. Send now for YOUR free display card to





DEPT. C.D.3 LASTONET PRODUCTS LTD · REDRUTH · CORNWALL

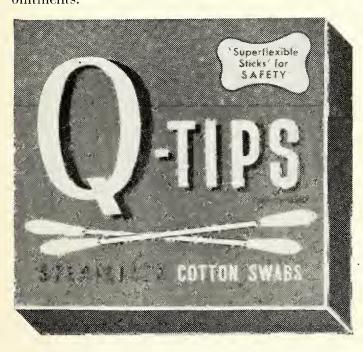
FOUNDATION STOCKINGS

Who can give you up to 55% profit?

Q-Tips, that's who!

And who are Q-Tips?

Q-Tips—The only sterilized cotton swabs with safety-cushioned ends and flexible paper stems. The easy, hygienic way to care for a baby's comfort in every tiny fold and crevice: to clean, to dry, to apply ointments.



Here's the deal

If you order Q-Tips between now and 30th April, they will yield *minimum* profit on returns of 41% (single case) and up to 55% on larger orders.

2/- OFF SIZE 100

— case of 2 doz. boxes each containing 18 Q-TIPS, (R.S.P. 1/-, up to 6½d. profit!)

2/6 OFF SIZE 300

-case of 2 doz. boxes each containing 54 Q-TIPS, (R.S.P. 2/6, up to 1/4½ d. profit!)

1,000,000 samples in '64

In addition to strong advertising in baby-magazines, this year over a million free sample boxes of Q-TIPS will be sent to mothers with newly born babies. These mothers will soon realise the many uses of Q-Tips in modern baby-care—and they will buy their next boxes from *you*. Order now and meet new demand with big-profit stocks.

'Q-TIPS' (Great Britain) Ltd., Victoria Rd, London, N.W.10



deliciously dressed

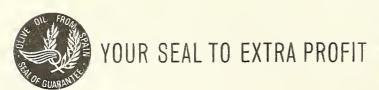
profit with this advertising

About to break: a nation-wide advertising campaign for Spanish olive oil.

With powerful colour pages to 10 million readers—in GOOD HOUSEKEEPING, HOMES & GARDENS, HOUSEWIFE, WOMAN'S JOURNAL.

With hard-hitting TV commercials to Wales and the West of England.

So put in your order now-for SPANISH OLIVE OIL. Display it in your window, on your counter and shelves-and let the advertising boost your profits.



YOUR SEAL TO EXTRA PROFIT SPANISH OLIVE OIL



Smile please!

Since February, the sparkling Steradent smile above has brightened the pages of *Radio Times* (16,516,000 readers) and *News of the World* (17,625,000 readers) in the biggest Steradent advertising campaign to date

Next month, heavy television thirty - second advertising joins in with dramatic, believable demonstrations of Steradent's unique denture-cleansing properties.

The Steradent Story, with its free sample offer in all advertising media, makes sense to people who wear dentures.

And people who wear dentures make up half your customers.

You'll have reason to smile, too, when your Steradent sales go up!
RECKITT & SONS LIMITED, HULL



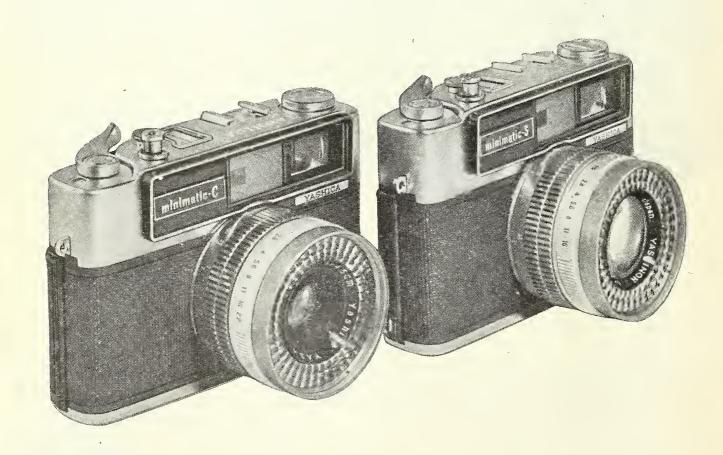
WHAT DO YOU EXPECT OF AN AUTOMATIC CAMERA?

Most likely you are seeking a camera that will, without technical effort on your part, produce results that are technically indistinguishable from those taken with a "prestige" miniature in the hands of an expert. An intelligently used automatic camera banishes the problem of wrong exposure, but in accepting this, it is easy to overlook factors other than exposure which contribute to making a first class transparency or negative. In particular:

SHARPNESS. The sharpness of a really top grade lens can only be matched by another top grade lens. So before an automatic camera can hope to equal one of the "thoroughbreds," it must have optics out of the same top drawer. Two new cameras from Yashica, the Minimatic C and the Minimatic S now bridge the gap for the first time, two cameras that provide correct exposure automatically together with the sharpness that comes only from the highest grade lenses. The Minimatic C has a five glass f/2.8 lens, the Minimatic S a six glass f/1.8. Both are Yashinon; both

are the finest of their type; mounted in bodies that have that silkiness of operation that spells PRECISION. The two Minimatics are identical except for lenses. They have the Copal "Unique" programme shutter which in conjunction with the "round the lens" exposure meter selects both shutter speed (1/30th to 1/500th) and aperture to suit the lighting conditions. You do no more than note the under/over exposure warning as you sight the subject in the viewfinder. No parallax error either, the bright-line frame automatically compensates as you focus with the coupled rangefinder. Flash synchronisation—electronic or bulb. Self cancelling frame counter, delayed action and the smoothest of lever-winds. Brilliantly (and differently) styled, with dark grey fabric covering blending with satin chrome and blue/grey anodised finish on the control rings.

You have come to expect good value from Yashica, but the Minimatics are something special. The finest yet in the automatic camera field.



MINIMATIC C f/2.8 Yashinon £32/11/- inc. P. Tax MINIMATIC S f/1.8 Yashinon £36/12/4 inc. P. Tax Ever-ready Case for either £3/6/11 inc. P. Tax





What is the perfect age for a gorgeous skin? A lot of people associate the schoolgirl with a perfect skin. Well, for the lucky few this is true, but for nearly all women skin loveliness comes with care . . . even in their twenties . . . and certainly later on. The skin has to be cared for, nourished and fed. One thing is certain, science has seen to it that this is the perfect age for skin care. Nowadays anyone can have a healthy, glowing petal-smooth skin whatever their age.

At New Era Laboratories, for instance, we have just created a new skin lotion . . . so different . . . so effective that we are certain it will solve the problem of skin care for once and all. We have called it HYMOSA. Combining for the very first time selected skin nutrients and biochemic tissue-salts, we believe this lotion to be unique in the field of cosmetics. 40 years Biochemic experience has convinced us that HYMOSA is the answer to a lovely skin! HYMOSA Lotion is now being advertised in a wide range of Women's magazines, including Woman, Woman's Own, Woman's Weekly, Woman's Realm and Woman's Mirror.

It is obtainable from your wholesaler and retails at 15/9d. per bottle.

HYMOSA Lotion is a P.A.T.A. line yielding 33½% profit.

A Biochemic product of

NEW ERA LABORATORIES LTD.,

Cecil House, Holborn Viaduct, London E.C.I.

HYMOSA LOTION

for skin health and beauty.





THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

THE WEEKLY NEWSPAPER FOR PHARMACY and all sections of the drug, pharmaceutical, fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

Volume 181

April 4, 1964

No. 4390

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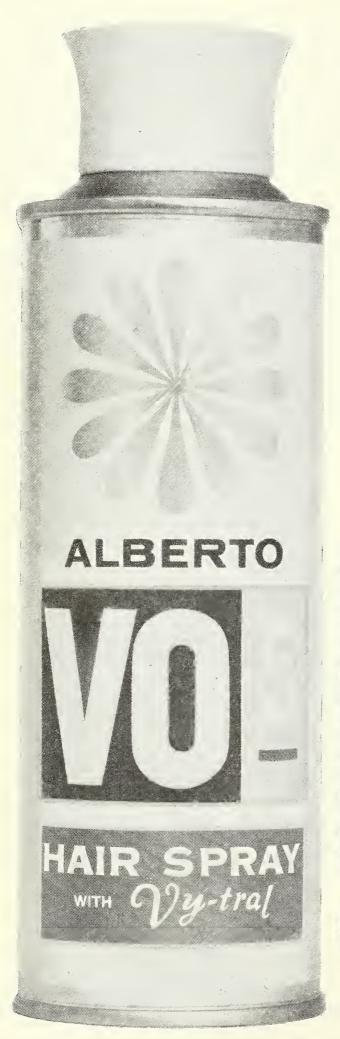
Telephone: Central 6565

MEMBER OF THE AUDIT BUREAU OF CIRCULATIONS MORGAN BROTHERS (PUBLISHERS), LTD. 1964

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ANNUAL SUBSCRIPTION

which includes The Chemist and Druggist Diary and Year Book, £3 10s. Single copies 1s. 3d. each (postage 5d.).



12 FOR THE 10



- > VO5 APRIL OFFER heralds peak hairspray sales period.
- BIG TV ADVERTISING

 CAMPAIGN throughout Spring
 and Summer reaches 11 million
 homes per month.

ATTENTION LONDON STOCKISTS!

1/6d. CONSUMER COUPON
OFFER APPEARING
TV TIMES, APRIL 17th

Coupon redeemable through your wholesaler or Alberto-Culver representative.

HURRY! ORDER NOW

FROM YOUR WHOLESALER OR ALBERTO-CULVER REPRESENTATIVE

The CHEMIST AND DRUGGIST

Volume 181

APRIL 4, 1964

No. 4390

Nielsen Drug Index

MORE FROM N.H.S.

N.H.S. payments received by chemists during the period November-December 1963 were higher than in the corresponding period of the previous year and were an important factor in the reported 4 per cent. turnover increase. The chemists' average weekly turnover during the latest period reported by the Nielsen Index was, at £6,672,000, over 4 per cent. higher than in 1962, and retail cash turnover increased by only 2 per cent. The balance represents N.H.S. payments. The multiple pharmacies enjoyed a cash increase amounting to 3 per cent. whilst the independents obtained only 1 per cent. more than in 1962. The average weekly cash sales in retail pharmacies were: Multiples £609, large independents £381, medium independents £199, small independents £103. It was estimated that multiple pharmacies obtained 44.1 per cent. of the total turnover during the period whilst the large, medium and small independents obtained 24·1, 17·5 and 14-3 per cent. respectively. The average weekly N.H.S. payments per shop were:—Large independents, £177; multiples, £150; medium independents, £111, and small independents, £68. During September independent pharmacies dispensed 66.5 per cent. of the National Health Service prescriptions (an average of 1,068 per shop per month), whilst the multiple pharmacies are estimated to have dispensed 33.5 per cent. (an average of 1,637 per shop per month). The N.H.S. receipts represented 19.1 per cent. of the turnover of the multiple pharmacies and 32.5 per cent. of the independents.

Action on R.P.M.

P.A.T.A. ISSUES A REVIEW OF EVENTS

A REPORT on action taken by the Proprietary Articles Trade Association, alone or in conjunction with other pharmaceutical organisations, since the resale price maintenance crisis developed, has been issued by the Association's executive committee. It traces events from the presentation in the House of Commons of Mr. J. Stonehouse's private member's Bill in January and records that, to date, about 1,400 chemists have informed the P.A.T.A. and the National Pharmaceutical Union of their approaches to M.P.s. The executive expresses its appreciation of the prompt and efficient manner in which matters have been dealt with and of the invaluable services rendered by the Association's legal advisers and by Sir Hugh Linstead, M.P.

Stainless Blades

LICENCE AGREEMENT BETWEEN MAKERS

THE president of the American-owned Gillette company (Mr. B. Gross) told the annual meeting of shareholders in Boston, U.S.A., on March 19 that the company had recently licensed Wilkinson Sword, Ltd., on "satisfactory royalty terms under patents covering the improved stainless steel razor blades currently being manufactured and sold by both Wilkinson and Gillette." He said Gillette's research had led to the discovery that adherent coatings of certain material on the cutting edges significantly improved the shaving qualities of both carbon and stainless steel razor blades. Replying to the

statement, Mr. H. B. Randolph (chairman, Wilkinson Sword, Ltd.). said on March 19: "In 1956 our research organisation developed a number of processes which enabled us successfully to pioneer our Super Sword-edge stainless steel blades. Some time later the Gillette Co.. which was not at that time marketing a stainless blade, brought to our notice a prior patent claim for one—and only one—of the processes used in the production of the Sword-edge blade. We discovered that their patent had anticipated ours by a few months." Messrs. Wilkinson considered fighting the patent in the many parts of the world where their blade is marketed but decided it would be wiser to avoid lengthy litigation and come to the royalty agreement with the American company.

Travelling Fellowships

CARLSBERG-WELLCOME AWARDS

APPLICATIONS are being invited for the Carlsberg-Wellcome and Wellcome-Swedish Travelling Research Fellowships, 1964-65., whose purpose is to encourage working visits, on an exchange basis, between Danish and British, and Swedish and British, investigators in any branches of the natural sciences which have a bearing upon human and animal medicine. One of each fellowship is awarded annually to a graduate from the United Kingdom for a year's work in the exchange country, and one Swedish and one Danish candidate annually may work in the United Kingdom. The stipend may range from £1,000 to £2,000 a year; travelling and some incidental expenses are provided in addition. The Carlsberg-



STUDENTS VISIT A MANUFACTURER'S PHARMACEUTICAL DEVELOPMENT LABORATORY: A party of students from the Leicester School of Pharmacy recently visited the laboratories of Genatosan, Ltd., Loughborough, Leics. In the picture white-coated Mr. A. H. Snowden, F.P.S., F.R.I.C., head of the department, is seen greeting Mr. J. Box, B.Pharm., M.P.S., of the School's staff,

Wellcome Fellowships are arranged with the Carlsberg Foundation in Copenhagen; the Wellcome-Swedish Fellowships are provided jointly by the Medical Research Council of Sweden and the Wellcome Trust. Applications from candidates in the United Kingdom should be submitted to the scientific secretary, The Wellcome Trust, 52 Queen Anne Street, London, W.1.

Losses From Fire

£66 MILLIONS PAID OUT IN 1963

FROM every point of view the enormous amount of money spent every year in making-good fire losses would be better spent on expanding business, said SIR NORMAN KIPPING (director general! Federation of British Industries) when he opened a two-day National Fire Protection Conference in London earlier in the year. Physical losses from fire in 1963 amounted to £66 millions, of which £50 millions was attributed to industry—a 20 per cent. increase on 1962 figures. During January this year fire losses amounted to £7\frac{3}{4} millions. "Fires," Sir Norman said, "don't just happen — they are caused and can be prevented." In a paper on fire extinguishers read by MR. J. E. AITKEN, the author called for a tremendous improvement from the user's point of view, in the labelling of appliances, plus a standard method of operation. Surveying the many kinds of extinguishing agents at present in use, MR. P. NASH said that a truly universal agent was unlikely, though the number of agents in use might be reduced with advantage.

Aerosol Packs in 1963

HAIR SPRAYS EASILY LEAD

IT is estimated by the British Aerosol Manufacturers' Association that a grand total of approximately 70 million nonfood aerosol containers were filled in the United Kingdom in 1963 by both members and non-members of B.A.M.A. The Association's annual report for 1963 includes statistics of the total number of non-food aerosol containers filled by members of the Association in their own plants during the past four years. They show that hair sprays and dressings are by far the biggest seller. In 1963 about 18.69 millions were packed (against 13.75 millions in 1962); next came air fresheners, 11.2 millions (6.97 millions); space insecticides, 11.02 millions (8.85 millions). Medicinals and pharmaceuticals packed in aerosol form rose to 688,437 (from 371,938).

Tooth-pastes

FEW COMPLAINTS REACH MAKERS

A MANUFACTURER selling tens of millions of tubes of tooth-paste annually often received less than thirty complaints a year, said Mr. C. Pugh (research department, Beecham Group), when he addressed the dental and allied subjects group of the Royal Society of Health on February 20. Mr. Pugh said that even many of the tubes sent back were quite normal—"the customer just doesn't happen to

like the flavour." One of the first records of dentifrice was the use of powdered bone 4,000 years ago in China; ashes made from the heads of hares and mice appeared to have been used in Greece 2,000 years ago. They must have been excessively abrasive materials, said Mr. Pugh, "but, unlike the modern dentifrice, they were only rarely used; certainly not twice a day." Nowadays tooth-pastes, which had first appeared in their modern form in the Twenties, dominated the market. Relatively few cake dentifrices and still fewer powders were on sale.

Purchasing Officers

LONDON INTERNATIONAL CONFERENCE

DELEGATES from most of the countries of Western Europe, from Greece, from India and Japan, and from North America are to attend the fourth biennial conference of the European Federation of Purchasing to be held at Church House, Westminster, London, April 8-11. The conference, which will be opened by the Prime Minister, has for its theme "Purchasing Problems of In addition to the main Tomorrow." work of the conference there will be a special series of lectures and discussions for younger buyers who will have the opportunity of hearing speakers from France, Holland and the United Kingdom. The organisers are the Purchasing Officers Association, York House, Westminster Bridge Road, Lon-

Quarantinable Diseases

MORE CASES IN 1963

WORLD incidence of cholera, yellow fever and smallpox was higher in 1963 than in 1962 according to reports received by the World Health Organisation. The numbers were (1962 figures in parentheses):—Cholera, 57,092 cases (39,396), 18,400 deaths (11,634); yellow fever, 144 cases (64), 71 deaths (57); smallpox (January 1 to November 29, 1963), 88,442 cases (73,728), 25,544 deaths (14,737). Cases and deaths from plague, however, were halved.

Sulphuric Acid

PRODUCTION IN 1963

PRODUCTION of sulphuric acid by manufacturers in the National Sulphuric Acid Association, Ltd., during 1963 amounted to 2,881,298 tons (calculated as 100 per cent. H₂SO₄) against 2,731,496 tons in 1962. Sales during 1963 amounted to 2,948,716 tons (against 2,759,866 tons). Government plants are not included in the figures.

PRESIDENT IN MAYO: Mr. D. J. Kennelly (president, Pharmaccutical Society of Ireland) photographed at a recent meeting of the Mayo Pharmaceutical Association. With him in the picture arc Messrs, P. Cassidy, who presided at the meeting, J. P. O'Donnell (vice-president, P.S.I.), and M. Doherty (secretary of the Association).



IRISH NEWS

THE REPUBLIC

"New" Incompatibilities

MAYO CHEMISTS' MEETING

THERE was an almost 100 per cent. attendance of members of Mayo Pharmaceutical Association when the president of the Pharmaceutical Society of Ireland (Mr. D. J. Kennelly) addressed the Association in Castlebar on March 8. His subject was forensic pharmacy: its evolution, current trends and likely development. He stressed that modern pharmacists had to learn about a new range of incompatibilities in addition to the pharmaceutical ones. He was referring to the "incompatible" antagonistic effect one drug might have on another when administered either together, or within a short interval of each other. Mr. Patrick Cassidy, Balla, presided. Also present were the vice-president of the Council of the Pharmaceutical Society (Mr. J. P. O'Donnell) and the registrar (Mr. J. G. Coleman).

IRISH BREVITIES

THE REPUBLIC

NINE people were injured, one fairly seriously, when fire broke out in the cosmetics factory of Crystal Products (Eire), Ltd., Lower Mercer Street, Dublin, on February 26. A quantity of stock was destroyed and damage was caused to the premises.

"THE Pharmacist in Industry" is the title of a lecture to be delivered in the College of Pharmacy, Dublin, on April 14 at 8 p.m. by Mr. S. W. Kipling, B.A., M.P.S. (director of marketing, Geigy Pharmaceutical Co., Ltd.). A large attendance is expected.

Four sections of Dublin fire brigade fought a blaze at the premises of P. C. Cahill & Co., Ltd., wholesale manufacturing chemists, Bachelor's Walk, on March 20. The fire started, it is believed, in a drum of petroleum ether in a basement at the rear of the premises. Chemicals valued hundreds of pounds were destroyed but no one was hurt.

THE NORTH

PRESCRIPTIONS dispensed in Northern Ireland during November 1963, numbered 595,281 (418,358 forms). The total cost was £329,422 (£269,043 net), an average of 132.81d. per prescription (108.47d. net). In December 1963 prescriptions numbered 612.280 (426,245 forms), dispensed at a total cost of £343,937 (£282,142 net). Average cost per prescription was 134.82d. (110.59d.).

NEWS IN BRIEF

PETERBOROUGH city council is seeking a pharmacist willing to move into new premises being built at Paston.

A SUPPLEMENTARY list of approved names, consolidating those lists issued since July 1963, has been published by the British Pharmacopæia Commission, 44 Hallam Street, London, W.1.

In recent months about twenty of the 100 shops (including a pharmacy) in the half mile of Lower Addiscombe Road, Croydon, Surrey, have had break-ins or attempted break-ins.

THE National Fund for Research into Poliomyelitis and other Crippling Diseases has announced the donation of £100,000 to the Postgraduate Medical School of London to endow a chair of virology.

Sir Harold Roxbee Cox, Ph.D. (chairman, Metal Box Co., Ltd.), has been appointed *President* of the Institute of Packaging, Malcolm House, Empire Way, Wembley, Middlesex, for a threeyear term starting from April.

THE Colchester and Severalls group hospital management committees have been replaced by a new group, the St. Helena group hospital management committee. The finance department of the group is at Severalls hospital, Col-

"VASODILATOR drugs have no value in organic peripheral vascular disease, and questionable value in disorders of the peripheral circulation due to arteriolar spasm," concludes an article in the March 20 issue of Drug and Therapeutics Bulletin published by Consumers' Association.

REPLYING to criticism in the Guardian for his opposition to the Resale Prices Bill, Sir Hugh Linstead pointed out that those who voted for the amendment did so because they thought it was right and that "a public servicealbeit provided by private contractorsshould not have its standards debased by commercial exploitation.

SPORT

Golf.—South London and Surrey Pharmacists' Golfing Society. Forty members attended a meeting at Croham Hurst golf club on March 25, when a Stableford competition was played for the Scotia Bowl, Results: 1, G. Penman (Wimbledon Park), 38 points; 2, A. Reary (Croham Hurst), 36 points; 3, P. Power (R.A. Club), 32 points. Scratch to seventeen handicap prize: G. Roberts (Wyke Green), 32 points. Eighteen and over handicap prize: J. Widocks (Croham Hurst), 34 points. Best score on first niue holes: C. J. Martin (Ifield). Best score on last nine holes: D. Spier (Shirley Park).

At the Society's annual meeting held in the

evening, the following officers were elected for 1964-65:—President, R. Swindells (Shirley Park); Captain, G. E. Philp (Langley Park); Vice-captain, S. M. Hutchinson (Royal Blackheath); Treasurer, G. Howell (Banstead Downs); and Scottager, F. C. Hodgson (Shirley Park), 51 Secretary, F. C. Hodgson (Shirley Park), 51 Gipsy Hill, London, S.E.19 (telephone: GIPsy 0726).

LOCAL OFFICERS

Pharmaceutical Committees

Cambridgeshire.—Secretary, Mr. R. G. Green.

30 Hills Road, Cambridge.

Liverpool.—Until a successor is appointed for the late Mr. G. Clubb the chairman, Mr. J. P. Murphy, i84 Great Homer Street, Liverpool, 5. is acting Secretary.

TOPICAL REFLECTIONS

By Xrayser

Patience

More than half a century has passed since pharmacy made itself responsible for the dispensing and supplying of medicines under a government scheme. At no time in those fifty years has there been satisfaction with the financial return for those services, and it is greatly to the credit of the profession that, despite what has been widely regarded as unfair treatmentof which not a few examples come to mind—it has not permitted its feelings to affect in any way the users of the service. Pharmacy has shown a high regard for its professional responsibilities throughout the years, and neither the sick nor the government department is in a position to complain of lack of service, or quality or civility. An admirable patience has been displayed, though it has been sorely tried on several occasions, until it has seemed that some past holders of the office of Minister of Health have mistaken that patience for weakness. If pharmacy had acted as irresponsibly toward those requiring medicine as certain past ministers toward the contractors, there would have been an immediate outcry. The foregoing consists of facts, none the less factual for their being impossible to tabulate and to permit of abstruse theories and calculations. The case at present in the hands of the Ministry, together with the Ministry's reception of the preliminary statement, has now soared into a rarified atmosphere which is beyond the comprehension of the conscientious and hard-working pharmacist who has not permitted his feeling of frustration to interfere with his devotion to duty. The matter is now in the hands of experts on both sides, and only a closely reasoned scientific and factual case is likely to be effectual. Loyalty and devotion are not qualities which can be assessed in terms which are translatable into decimals, but they are more important to the individual who is in urgent need of medicine. It is to be hoped that the contractors' negotiators will succeed this time.

Points of view

In a leader headed "Their vested interests are showing"—I am a bit out of touch and therefore unable to grasp the significance of the words -The Guardian of March 26 takes Sir Hugh Linstead to task for his opposition to the Resale Prices Bill. It seems that the paper regards Sir Hugh as ready to disrupt or damage his party in order to promote a vested interest at the customers' expense. Indeed, the leader goes as far as to say that Sir Hugh and his men were ready to risk a Government-defeat in order to prevent the Government from modernising Britain and in order to show that all Conservatives believe in their own slogan "Conservative Freedom Works." "The Government, after all, was merely trying to make it work at long last for the consumer," says The Guardian. That is to view the Bill from the narrowest possible angle and to ignore its effects. "Modernising" Britain, as envisaged by the Bill, is to return to the conditions of the turn of the century when wages in the distributive trades were shockingly low and were kept low because of cut-throat competition and the cutting of prices below an economic level. Surely no one can regard that as modernisation. It is also suggested by the Government that the Shops Acts, representing years of struggle to improve working conditions, should be amended to permit of "small shops" opening at all hours in order that they may survive by remaining open when the large stores, with their cut prices are closed. That is also a backward step to the early years of this century, when people in shops worked inhumanly long hours for a poor return. Sir Hugh needs no defence from me in the matter, but I find it difficult to follow the line of reasoning which regards his stand as retrogressive — unless the removal of an artificial restraint on trade makes The Guardian available at $3\frac{1}{2}$ d.

Photography 1 4 1

The annual photographic number of THE CHEMIST AND DRUGGIST is a reminder, along with Easter and the introduction of British Summer Time, that the worst is past, and Spring is on the way. Once more I marvel at the progress made in cameras and accessories, making the taking of a picture more of a science and less of an artistic hazard.

DRUGS (PREVENTION OF MISUSE) BILL

Wider control of amphetamine drugs

THE Drugs (Prevention of Misuse) Bill (H.M. Stationery Office, price one shilling) published March 31, aims to "impose additional controls on certain kinds of drugs which are being misused for non-therapeutic purposes." The Bill consists of ten Clauses and a Schedule. Clause 1 makes it an offence for anyone to be in possession of a substance controlled under the Act unless he falls into one of the listed categories or is exempted by regulations made by the Home Secretary. It is not lawful for a person to have a Scheduled substance in his possession unless:—

(a) it is in his possession by virtue of the issue of a prescription by a duly qualified medical practitioner or a registered dental practitioner for its administration by way of treatment to him, or to a person under his care; or

(b) it is in his possession by virtue of the issue of a prescription by a registered veterinary surgeon or a registered veterinary practitioner for its administration by way of treatment to an animal under his care; or

(c) he is registered in a register kept for the purposes of this paragraph by the Secretary of State as a manufacturer of, or a dealer in bulk in, substances for the time being specified in that Schedule.

A person who has a substance in his possession in contravening the above provisions shall be liable to a fine of £200 or six months in jail or both.

Lawful Possessors

(e) above:

The Bill specifies other people who will be considered to be lawfully in possession of the drugs including:—

- (a) a duly qualified medical practitioner;
- (b) a registered dental practitioner;
- (c) a registered veterinary surgeon; (d) a registered veterinary practitioner:
- (e) a registered pharmaceutical chemist;
- (f) an authorised seller of poisons;
- (g) a person acting in accordance with the directions of a person of a kind specified in any of paragraphs (a) to
- (h) a person appointed by the person in control of a hospital, clinic, nursing home or other institution providing medical, surgical, dental or veterinary treatment to be in charge of drugs kept there for the purpose of the administration thereof to patients by way of treatment;
- (i) a person in charge of a laboratory the recognised activities of which consist in, or include, the conduct of scientific education or research;
- (j) a public analyst appointed under section 89 of the Food and Drugs Act 1955:
- (k) a sampling officer within the meaning of the said Act of 1955;
- (l) a person employed or engaged in connection with a scheme for testing the quality or amount of the drugs and appliances supplied under the National Health Service Act 1946 and the regulations thereunder.

An exemption is also granted for the possession by the owner of a medical store-carrying ship of Scheduled substances and for the master of ships which do not carry on board as part of their complement a duly qualified medical practitioner of a substance for treatment of persons on board ship. A special exemption is also granted for "any servant of Her Majesty or constable acting in the course of his duty." The Secretary of State is also granted power to refuse to register manufacturers or dealers if in the Home Secretary's opinion "he is not the proper person to be registered" and to cancel the registration of those who have ceased to be "a person proper to be registered."

Clause 2 gives power on written information for the issue of a search warrant in respect of premises where it is suspected that an offence is being committed. Clause 3 empowers a Court before which a person is convicted of an offence of unauthorised possession to order any quantity of a substance seized to be forfeited.

Clause 4 prohibits the importation of the controlled substances except by a licensed importer and power to issue licences is given to the Secretary of State, or in Northern Ireland, to the Minister of Home Affairs. Those who fail to comply with the terms of a licence shall be guilty of an offence and liable on conviction to a fine not exceeding £200 or 6 months imprisonment or both.

Clause 5 empowers the Secretary of State after consultation with the Poisons Board to add a substance or remove a substance from the Schedule.

Clause 7. Where an offence under this Act which has been committed by a body corporate is proved to have been committed with the consent or connivance of, or to be attributable to any neglect on the part of, a director, manager, secretary or other similar officer of the body corporate, or any person who was purporting to act in any such capacity, he, as well as the body corporate, shall be guilty of that offence and shall be liable to be proceeded against accordingly.

Clause 8 is the interpretation Clause. Clause 9 makes special provisions for Northern Ireland to which the Bill applies.

Clause 10 provides that the Act, so far as relating to the registration of persons for the purposes of section 1(1)(c) thereof and to the licensing of the importation of substances, shall come into operation at the date of its passing, but save as aforesaid shall not come into operation until the expiration of the period of three months beginning with that date.

The Schedule lists the following drugs:—

 β -aminopropylbenzene. β -aminoisopropylbenzene.

Any compound structurally derived from either of the substances aforesaid by substitution in the side chain or by ring closure therein (or by both such substitution and such closure), except ephedrine, N-methylephedrine, N-diethylaminoethylephedrine, phenylpropanolamine and prenylamine.

Chlorphentermine.

Pemoline.

Any salt of either of the substances specified in paragraphs 1 and 2 above, of a compound falling within paragraph 3 above or of either of the substances specified in paragraphs 4 and 5 above.

Any substance containing any proportion of either of the substances specified in paragraphs 1 and 2 above, of a compound falling within paragraph 3 above, of either of the substances specified in paragraphs 4 and 5 above or of such a salt as is mention in paragraph 6 above.

ORGANOCHLORINE PESTICIDES

Government to act on committee's recommendations

A REPORT by the Advisory Committee on Poisonous Substances Used in Agriculture and Food Storage, published on March 24, recommended substantial curtailment of the use of the organochlorine pesticides aldrin and dieldrin.

Announcing that in the House of Commons on March 24, the Minister of Agriculture, Fisheries and Food (Mr. Christopher Soames) stated that "the Committee found no evidence of any serious immediate hazard to human beings from the use of these pesticides, or to wild life apart from certain species of predatory birds. On the other hand, they regard it as a matter of concern that traces of these chemicals are being found in so many situations and express the firm opinion that accumulative contamination of the environment by the more persistent organochlorine pesticides should be curtailed. The Committee do not advise that the situation calls for urgent action but they recommend that a start should be made as soon as possible by restricting certain important uses of aldrin and dieldrin. Other uses of these chemicals, and the use of D.D.T., should be reviewed again at the end of three years."

The principal changes," said the nister, "will be that fertilisers con-Minister. taining aldrin, products for garden use containing aldrin or dieldrin, and dips and sprays for sheep containing these chemicals will cease to be available. Generally, these and other recommended changes will take place at the end of the 1964 season, though in the case of sheep dips more time will be needed and the change will take place at the end of the following season. Further consideration will be given to sanctioning certain relatively minor uses. The Committee stress that their recom-mendations are based purely on the situation as they see it in Great Britain and may have no relevance to conditions in other countries. In developing countries in particular these chemicals have made a striking contribution to solving the problems of malnutrition and disease and, under these different conditions, the gains from their use may well outweight any potential haz-ards."

Mr. Soames added that "consulta-

tions have taken place with organisarepresenting the interests concerned. The manufacturers of aldrin and dieldrin have informed me that they disagree strongly with the Committee's scientific conclusions, since their own scientific researches suggest that, after reaching a certain harmless level of concentration, the chemicals cease to have further cumulative effect. The National Farmers' Unions have drawn attention to the considerable significance that restriction on their use could have for agriculture." Nevertheless, he went on to say that the Government had decided to give effect to the Committee's recommendations for curtailing the use of the chemicals and that it would be done through the voluntary schemes operated between manufacturers and the Government.

Manufacturer's Statement

On March 26, Shell International Chemical Co., Ltd., published a statement in the national Press expressing our conviction that these new restrictions are not justified, even on the basis of the Advisory Committee's own The company made the evidence." following five observations:

From all the research that has been doneand Shell among others has been engaged upon it for twelve years—there are no indications of injurious effects to mankind, now or in the future, so long as these insecticides are not grossly misused.

2. Long-term experiments (which are continuing) indicate that, at the present—or even a higher—degree of usage, the quantities of dieldrin and aldrin in man and in the soil will not build up beyond a safe level.

- 3. The Advisory Committee foresees that enforcement of the new restrictions will entail more frequent use of less effective pesticides at increased cost. But, as they also noted, there is no evidence that alternative pesticides are safer to
- 4. The Advisory Committee stresses that its recommendations are based purely on the situation in Great Britain and may have no relevance elsewhere. But in other parts of the world, thousands are dying every day from malnutrition and insect-borne illnesses; pests spread disease and are destroying enormous quantities of valuable food. The adoption therefore of the British recommendations out of context would, in our opinion, cause more harm than benefit to mankind.
- 5. It is the view of the Agricultural Research Council that "the most important use of the countryside is the production of food for man and it is inevitable that other animals and plants will be affected." We fully share the concern for the preservation of wild life. The truth is, however, that the factors which make wild life populations increase or decrease are, as yet, poorly understood, The Advisory Committee itself discounts most of the allegations which have sought to implicate these insecticides.

Education in Safe Use Needed

The view that more education is needed in the safe use of pesticides was expressed by speakers at a symposium organised recently by the Association of British Manufacturers of Agricultural Chemicals and nature conservation interests. Professor Sir Solly Zuckerman said that too few people sufficiently realised their own responsibility to use a chemical wisely and to follow the instructions. He believed greater attention should be paid to the training of operatives and the pro-vision of information to farmers and gardeners. It was essential to ensure clarity and simplicity in the instruc-

tions printed on product labels. Dr. N. W. Moore (Nature Conservancy) spoke of the misuse of pesticides. Often, he said, higher doses than those recommended were used and, perhaps more serious, high pressure salesmanship could mislead farmers about hazards. Careless or inadequate disposal and cleaning of containers was another factor which could account for the high levels of pesticide residues that are being found in aquatic birds and fish.

Sales Up

Sales of pesticides and allied products by larger manufacturers in the United Kingdom during 1963, valued at £18·4 millions, were nearly 20 per cent. greater than in 1962. Except for rodenticides (down by 11 per cent.) all sectors showed increases. Sales of insecticides rose by £0.6 million (11 per cent.), fungicides by £0.6 million (21 per cent.) and herbicides by £1.7 million (28 per cent.). Exports in 1963 were 29 per cent. in value above those recorded for 1962, herbicides being outstanding with an increase of 58 per cent. Wholesale prices have shown little change since early 1961 and the comparisons, which have been made in terms of current values, would be similar in terms of volume.

RESALE PRICES BILL

Drugs exemption defeated by one vote

THE Resale Prices Bill was considered in Committee on March 24. Dr. J. R. MAPON said that there was a good case for exempting drugs from the Bill. It was undesirable to have drugs sold at various prices because that would confuse purchasers. Mr. A. Duffy said he did not see that the chemists could be set apart from other retailers and treated separately. He quoted from an article issued by the P.A.T.A. and suggested that it should have been directed not against the Bill under discussion but rather against the National Health Service. He did not think that the small shop-keepers should assume that R.P.M. would be felt entirely in their

Manufacturer's Problem

SIR HUGH LINSTEAD, after declaring his interest as secretary of the Phar-maceutical Society, asked the Committee to consider the situation arising when a manufacturer found himself dealing with a price cutter. Under the Bill he had to satisfy the Court that he withholding supplies not on grounds of price cutting but on some other ground and he had to go through Court processes without any certainty that he would be able to separate the motives leading him to withdraw supplies. He felt that manufacturers of drugs and medicines should have an absolute right to withhold supplies. Later Sir Hugh said he had been greatly struck by the interest shown by Members on both sides of the Committee in relation to pharmacists' representations about the effect of the abolition of R.P.M. on the quality of services they would be able to render to the public. It would effect the quality of staff, variety of stock and the hours of service. In fact any reduction in prices achieved by the abolition of R.P.M. would be an extra tax out of pharmacists' pockets, crippling them in the service which they could give.

Chemists "Not Getting Fat"

Asked by Mr. E. LUBBOCK why it was necessary to have a separate amendment excluding the chemist from the Bill, SIR HUGH LINSTEAD pointed out that nobody had the remotest idea how the Restrictive Practices Court would operate. He further reminded the Committee that 22.9 per cent. of chemist shops had a turnover of less than £10,000 a year and less than 46.8 per cent. had a turnover between £10,000 and £20,000. "That is not a picture of a group of people who are getting fat out of the profits on their businesses.' Many members had echoed what he had said earlier that if the remuneration under the N.H.S. was more adequate much of the argument behind what he was not saying would disappear. "If we could get from the Government an undertaking that a very serious upgrading of National Health Service remuneration was possible, I think many of these difficulties would disappear. But, in the nature of things, no Minister is able today to give an undertaking of that kind, or at any rate, has not done so up till now. Sir Hugh then turned to deal with the effect of the Bill on the public. He did not believe that the public should be encouraged by every conceivable commercial wile to purchase additional drugs to supplement what they obtained under the N.H.S. It was important to remember that part of the duty of the pharmacist was often to say "no" and not "yes." It was his job to discouage people from taking drugs that he did not believe it was wise of them to do so. Competition in prices would only result in competition in quality, with poor drugs and cheap advertised medicines driving out the good medicines.

A Badly Needed Change of Law

Challenged by Mr. CHARLES LOUGH-LIN to state where the drugs were to be sold, SIR HUGH pointed out that broadly speaking there was no legislation limiting the sale of medicines to pharmacists. Medicines other than poisons and narcotic drugs could be sold through any trader. That was one of the changes badly needed in law. He hoped the Minister for Industry and Trade could give some indication of the operation of Clause 5 and the gateways applying in the case of drugs and medicines. MRS. HARRIET SLATER hoped that cosmetic products would not be exempted although she considered that drugs should be completely outside the Bill. She said that pharmacists ought not to be subjected to the Bill. If they were doing the job for which they were trained "and this is the important thing" they should be receiving adequate remuneration from the Government for doing that job.

Mr. Norman Cole also considered that the Committee should ascertain means of eliminating drugs from the processes of the Court. MRS. BARBARA CASTLE supplemented Sir Hugh Linstead's case for the pharmacist. She considered the existence of an adequate number of chemists' shops, reasonably accessible, was of vital public interest. Chemists provided a service ancillary to the whole of the nation's hospital and health services. There had been a decline of about thirteen contractors per month under the National Health Service. That was happening at a time when the pharmacist's income was being supplemented by price maintained goods. If R.P.M. was abolished the chemist's income would be even more in jeopardy. It was not enough to say that that should be met in an increase in the dispensing allowance under the National Health Service. The margin of profit on National Health Service prescriptions was not enough unless the chemist did over 1,000 prescriptions a month. There must be a large number of chemists in the scattered areas who did less than the national average of 1,200 yet they would be the most hit, and the closure of their shops would cause the maximum hardship. Mrs. Castle thought the House of Commons would be far better employed in examining the costs of the drug manufacfurers.

MR. G. W. PROUDFOOT spoke "as one who came from a very long line of hypochondriacs." He said he believed that chemists could have the same sort of success that grocers had had if they formed voluntary buying chains. The logistics of retail chemists were much simpler than those of the grocer. Commodities were not so big and transport costs would be less. MISS MARGARET HERBISON said that little reference had been made to the fact that chemists had to carry very large stocks in order to supply medicines prescribed by doctors. If R.P.M. was abolished there was a possibility that some medicines would find their way into grocers shops, multiple stores and other similar places. If a medicine had deteriorated it might prove very dangerous to a sick person. "One cannot expect a grocer to take the same care over medicines as had been taken by a chemist."

Chemists' Special Situation

From that viewpoint alone it seemed to be of the greatest importance that the amendments should be accepted. MR. Donald Wade said that one reason why chemists seemed to have a strong case was that they did not just retail goods. They had a dispensing service and the whole question was bound up with considering the safeguards affecting the sale of drugs, including poisons. MR. John Hynd suggested that if chemists were given better standards under the National Health Service, "we could then insist on chemists being pharmacists and not general grocers which would be more in keeping with the status of the service."

MR. E. HEATH (Minister for Industry and Trade) said that in dealing with exemptions a decision had to be taken as to how they should be handled. The Government had decided that the method to be adopted was that of bringing cases before a judicial tri-

bunal. He then went on to deal with a number of amendments and in replying to Sir Hugh Linstead he suggested that Clause 2 made it absolutely plain that the manufacturer could select his outlets in all circumstances except when he refused to do so because a person had sold below the recommended price. Mr. Heath thought that the question of safety and health of the public was adequately dealt with by legislation. There were restrictions on the sale of medicines in places other than chemist shops, and medicines in Part I of the Poisons List could only be sold in pharmacies.

Legislation in Preparation

The Home Secretary was preparing legislation, and the question of controlling new drugs would face the Government and the public whether or not there was resale price maintenance. Mr. Heath then spoke in some detail about the method of payment to pharmacists under the National Health Service, and referred to the discussions in progress between pharmacists and the Minister of Health. Some members had said they believed the powerful arguments put forward for the exemption of pharmaceutical goods. Mr. Heath added: "Surely the more powerful

the argument the stronger the case to go before the Court."

SIR HUGH LINSTEAD pointed out that the restrictions in the sale of medicines were a burden and not a profit to the pharmacist and many of them were sold on prescription and were not subject to R.P.M. Regarding the proposed legislation in medicines, he said, "we do not know when it is coming and we do not know what the content of the legisla-tion will be." It appeared that the Minister was saying that "all is for the best in the best of possible worlds." If that was so it could not explain away the intense feeling in the pharmaceuti-cal world about the situation. When SIR DOUGLAS GLOVER asked "if the pharmacists' case was so overwhelming, were they not certain to get what they required through the Court," SIR HUGH LINSTEAD replied that was the strongest part of the Minister's argument but neither he nor anyone else could clearly indicate how the Court was going to operate or on what principles its decisions were going to be based.

When later in the debate a vote was taken on the amendment to exempt "any drug, or any substance recommended as medicine, or any medical or surgical appliance," there were 203 "Ayes" and 204 "Noes."

BRANCH EVENTS

READING

M.P. Under Some Restraint

"For me this evening R.P.M. must stand for 'revolutions per minute,'" said Mr. Peter Emery, M.P., in proposing the toast of the Pharmaceutical Society at the annual dinner and dance of the Reading and District Branch. The point of his remark was that Mr. Emery had received a hint that the topic was too controversial for his views to be suitably put on such an occasion. There were no actual revolutions (apart from the "twist") during the 360 minutes of the evening's event, but Mr. H. Jarvis Graves was in revolt against any implied ordinance of selfdenial, for in his response as a member of the Society's Council he was forthright in expressing the feelings of many pharmacists on the subject. "If the abolition of R.P.M. is regarded as in the interests of the public," he declared, "then the advocates of abolition don't know what they are talking about." Chemists' memories went back forty years to days when the profit on a proprietary might be as little as a halfpenny and when they could buy from a price-cutter more cheaply than from a wholesaler. Mr. Graves also attacked the 2s. per prescription levy on N.H.S. patients as an incitement to doctors to order excessive (sometimes wildly excessive) quantities on prescription. For the admittedly efficient service chemist contractors provided they had a right to be properly remunerated. Earlier Mr. Emery had paid tribute to a Reading Branch member (Alderman G. G. Hammond) for keeping him so well informed on matters affecting the pharmaceutical industry. He was gratified that much of what was now happening on the testing of drugs complied with the Drugs Advisory Board Bill which he himself had promoted in Parliament. He was glad to acknowledge that the Pharmaceutical Society had done much to establishing proper testing of and standards for drugs. If there was one industry that should not be allowed to suffer by the abolition of R.P.M. it was the pharmaceutical inclustry. Mr. B. D. Bird (Branch chairman) had given a warm welcome to Mr. Emery, Mr. Graves, representatives of the Berkshire and Reading Executive and Borough Councils, the chairman of the Reading division of the British Medical Association, the chairman and other members of the Oxford Branch of the Society and other guests among the 220 diners present. He thanked the two principal organisers (Miss J. M. Livingstone and Mr. H. C. Pacey) for the work they had so willingly put in throughout the year. Reading's expertise in organising a tombola was again well in evidence.

BIRMINGHAM

Association's Banquet and Ball

THE annual banquet and ball of the Birmingham Pharmaceutical Association was held at the Botanical Gardens on March 11, when nearly 300 members and friends attended. Principal guests included the lord mayor and lady mayoress of Birmingham, Mr. F. W. Adams (secretary and registrar, Pharmaceutical Society), Professor Maurice Stacey (Dean, Faculty of Science, Birmingham University), Dr. E. L. Millar (Birmingham Medical Officer), and Messrs. C. H. Smith (chairman, National Pharmaceutical Union), J. E. Balmford (a member of Council); and K. F. G. Day (clerk to the Birmingham Executive Council). A raffle organised in aid of the Benevolent Fund by Mr. F. J. Reynolds realised £50, a cheque for which was presented to Mr. Adams during the evening.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. Geoffrey Johnson-Smith, on March 26, asked the Minister of Health why steps had not been taken to recommend the withdrawal of tranyl-cypromine which had already been withdrawn in the United States. MR. B. BRAINE (Parliamentary Secretary) replied that this had not been done because the Committe on Safety of Drugs did not so advise. The Committee had warned doctors of a number of possible adverse reactions, including those noted in the United States and had suggested some useful precautions. Mr. ERIC LUBBOCK asked the Minister whether he would seek powers to control, ban or with-draw any drug found to be harmful after testing by a committee to be set up independent of the pharmaceutical industry. Mr. BARBER replied that the need for additional powers to control the sale of drugs was one of the matters being examined in the current review of medicines legislation. Meanwhile the pharmaceutical industry was complying with the voluntary system operating under the independent Dunlop Committee. MR. LUBBOCK asked whether the Minister would seek powers to establish a committee independent of the pharmaceutical industry to which all new drugs must be submitted for toxicity tests and clinical trials before approval was given for their use. Mr. BARBER replied: "No."

National Health Service Charges

MR. W. HAMILTON asked the Secre-

tary of State for Scotland on March 18 what was the total amount collected in National Health Service charges and the estimated cost of collection. Mr. J. STODART (Under-Secretary of State for Scotland) said that excluding charges by local health authorities the totals for Scotland were £4,507,330 in 1962-63 and an estimated £4,730,000 in 1963-64. The cost of collection could not be estimated readily, but it was very small indeed in relation to the sums collected.

Organochlorine Pesticides

A decision by the Minister of Agriculture Fisheries and Food to give effect to recommendations by the Advisory Committee on Poisonous Substances Used in Agriculture curtailing the use of certain organochlorine pesticides was announced on March 24 (see p. 332).

Prescription Charges, Scotland

MISS M. M. HERBISON asked the Secretary of State for Scotland what had been the amount collected in prescripton charges. MR. MICHAEL NOBLE (Secretary of State for Scotland) provided the following information in a written reply on March 23:—1952-53, £462,190; 1953-54, £743,590; 1954-55, £773,121; 1955-56, £797,950; 1956-57, £868,513; 1957-58, £1,128,091; 1958-59, £1,119,662; 1959-60, £1,185,293; 1960-61, £1,213,677; 1961-62, £2,074,773; 1962-63, £2,173,755; 1963-64, £2,271,550 (estimated).

COMPANY NEWS

Previous year's figures in parentheses

P. P. PAYNE & SONS, LTD.—Final dividend 12½ per cent. makes the total for 1963 17½ per cent. (12½ per cent.). Trading surplus rose from £79,000 to £113,000.

ALBRIGHT & WILSON, LTD. — Mr. A. V. Sherwood has been appointed a director as from April 6. Mr. Sherwood has been treasurer of the company since 1957.

E.R. SQUIBB & SONS, LTD.—Mr. Robert W. Middlebrook, Dr. Brian W. Cromie and Mr. George D. Snell have been elected to the board. Dr. Cromie is the new medical director of the company and Mr. Snell has been appointed marketing director.

SAMUEL S. GOLDBERG & CO., LTD., Glasgow. — Mr. L. Wolfson. M.P.S., has been appointed managing director in succession to Mr. S. S. Goldberg, who has retired because of ill-health. Mr. Goldberg's shares have been acquired by the Byard Manufacturing Co.

FISONS, LTD.—Messrs. F. J. Heath and A. S. Woodhams have been appointed to the board. Mr. Heath is chairman and managing director of Fisons Horticulture, Ltd.; and Mr. Woodhams already a joint managing director, now becomes chairman of Whiffen & Sons, Ltd. Mr. A. P. Lowes is appointed deputy chairman of Messrs. Whiffen. He and Mr. Woodhams retain, in addition, their present positions of joint managing directors.

MACARTHYS PHARMACEUTI-CALS, LTD.—An interim dividend of $8\frac{1}{2}$ per cent. is declared. The directors state that trading conditions have been more satisfactory than anticipated six months ago and with the results for the full year are expected to show a substantial improvement over those of the previous year.

LAPORTE INDUSTRIES, LTD., and HOWARDS & SONS, LTD. — Holders of the 5 per cent. first mortgage debenture stock 1972-77 of Howards are to have their shares exchanged for an equivalent nominal amount of 5¼ per cent. debenture stock 1972-77 of Laporte. A resolution agreeing to the procedure was passed at a meeting on March 24.

F. W. BERK & CO., LTD.—Group net profit during 1963 rose from £301,886 to £417,307, after tax of £211,110 (£254,988). The low tax charge is due to relief in respect of investment allowances amounting to £96,000 (£49,000) and to relief in respect of past losses of subsidiaries of £23,000 (£44,000). Ordinary dividend recommended for year is 9d. per 5s. share (8\frac{1}{4}d.).

JOHN & E. STURGE, LTD.—Final dividend for 1963 is 6 per cent. making 10 per cent. for the year. A bonus of 3 per cent. (nil) is also being paid. Group pre-tax profits rose from £35,868 to £242,118. Tax charged is £127,970 (£59,051) leaving a profit of

£114,148, against a loss of £23,183. Compared with previous years the loss by overseas subsidiaries is lower; it has been subvened by the parent company.

MONTECATINI CO., Milan, Italy. The board will propose to shareholders that no dividend should be distributed for 1963. No dividend from current profits was paid for 1962 but shareholders received 85 lire per share from rescrees, free of withholding coupon tax. The company state that as a result of this "sacrifice" by shareholders the company would be able to keep on all its workers and would not reduce working hours or activity. It is planned to invest a further 50,000 million lire for expansion this year. The Montecatini company's turnover rose 12 per cent. in 1963 to about 233,000 million lire while Montecatini group turnover was up 10.2 per cent. at about 459,000 million lire.

C. E. FULFORD, LTD., and VITA-POINTE (U.K.), LTD.—Following the successful bid for the companies by Fisons, Ltd., the following board changes have been made: Mr. A. Wiseman (chairman and managing director of both companies) and Mr. F. W. Bailey (a director of both companies) have resigned. Mr. Wiseman will continue as a consultant. Messrs. H. P. P. Hodgkins, J. Valentine and W. P. Rao, have been appointed to the boards of both companies with Mr. Hodgkins (chairman, Genatosan, Ltd., and Benger Laboratories, Ltd.), as chairman, and Mr. Valentine (general manager, Genatosan), as managing director. The appointments emphasise that the newly acquired companies will be operated in close association with Genatosan, Ltd.

IMPERIAL CHEMICAL INDUSTRIES, LTD.—Group sales overseas including manufactured goods by subsidiary companies abroad reached a record total of £299 millions in 1963 (£271 millions in 1962). F.O.B. value of exports from the United Kingdom was £114·8 millions (£100·8 millions). The annual report of the directors gives a table of the group's sales in the home market to the principal consuming industries. Under "medical, dental, and veterinary" sales are listed at £3·4 millions representing 1 per cent. of the group's total sales (in 1960 sales were £2·4 millions representing the same percentage). Research and development cost the company £16·25 millions, excluding technical service, £3·25 millions. For accounts and dividend recommendations see C. & D., February 29, p. 198.

BUSINESS CHANGES

THE name of County Laboratories, Ltd., has been changed to Beecham Toiletry Division as from April 1.

LUSH-GREEN PRODUCTS, LTD., are transferring their works and head office on April 1 to 232 London Road. Southend-on-Sea, Essex.

SERTA. LTD., have removed to 2 Aintree Road, Perivale, Greenford, Middlesex (telephone: Perivale 4204).

THE telegraphic address of Sandoz Products, Ltd., 23 Great Castle Street, London, W.1, is now Sandopharm London W.1.

THE address of the Welsh Joint Pricing Committee and the pricing bureau is now Oxford House, The Hayes, Cardiff (telephone (unchanged) Cardiff 33848).

MR. H. McGOWAN, M.P.S., 4 East Main Street and 207 West Main Street, Whitburn, West Lothian, has retired. The pharmacies have been acquired by MR. R. LUMSDEN, M.P.S., who will retain the original trading title.

Appointments

NICHOLAS PRODUCTS, LTD., Slough, Bucks, have appointed Mr. M. G. Pitt-Bailey a products manager. PHILLIPS YEAST PRODUCTS, LTD., Park Royal Road, London, N.W.10, have appointed Mr. V. C. Woolgar their sales manager.

TRUFOOD, LTD., 113 Newington Causeway, London, S.E.1, have appointed Mr. P. Keeble their representative for the Eastern Counties.

COALITE & CHEMICAL PRODUCTS, LTD., have appointed Mr. R. P. Marshall sales manager of their chemical division. Mr. J. M. Umpleby is appointed technical service officer.

KELDON, LTD., Wadsworth Road, Perivale, Middlesex, have appointed Mr. W. E. Carpenter their field sales manager. Mr. Carpenter was formerly representative for their Midland territory.

PORTSMOUTH SCHOOL PHARMACY: Following the appointment of Dr. S. B. Challen as head of the School of Pharmacy, Portsmouth College of Technology (C. & D., February 8, p. 126), several extra staff and research appointments have been made. In pharmaceutical chemistry, Mr. E. Crundwell, M.A., Ph.D., A.R.I.C., and Mr. B. Jaques, B.Pharm., Ph.D., have been appointed senior lecturers. Dr. CRUNDWELL was an exhibitioner at Hurstpierpoint College, and graduated B.A. with second class honours in chemistry at King's College, Cambridge. He was awarded a Shell Research Studentship to work at Southampton University and after obtaining his doctorate continued research at the Chelsea College of Science and Technology, aided by a Research Fellowship given by Miles Laboratories, Ltd. For the past five years Dr. Crundwell has been a research group leader in chemistry at the Miles Laboratories. Dr. Jaques studied at the Bradford Institute of Technology and also at the School of Pharmacy, University of London, where he graduated in pharmacy with first class hon-ours and later obtained his Ph.D. for studies on some acids derived from Erythrophleum species under the direction of Dr. D. W. Mathieson. Dr. Jaques was made assistant lecturer in pharmaceutical chemistry at Brunswick Square and afterwards spent two years as a research associate at Stanford University, U.S.A., working under the direction of Professor W. S. Johnson. He was awarded a senior D.S.I.R. Fellowship in 1963 and he is doing research with Professor L. Crombie at the University College of South Wales and Monmouthshire. Mr. R. J. Hemingway, B.Pharm., Ph.D., M.P.S., A.R.I.C. has been appointed lecturer

in pharmacetuical chemistry and Mr. G. Blunden, B.Pharm., M.Pharm., has been appointed research fellow in pharmacognosy. DR. HEMINGWAY studied at the Bradford Institute of Technology and the School of Pharmacy, University of London, where he graduated in pharmacy with first class honours. Under the direction of Dr. D. W. Mathieson he obtained his Ph.D. for a thesis entitled "Configurational studies in certain β Phenyl Ethylamines" and has held the Allen and Hanbury fellowship and a D.S.I.R. studentship. At present he is working as a research associate at the School of Pharmacy, University of Wisconsin. U.S.A. MR. BLUNDEN graduated in pharmacy with second class honours at the University of Nottingham and studied for the M.Pharm. under Dr. Hardman, Mr. Blunden was a member of the University of Nottingham physiological research expedition to Spitsbergen in 1960 and at present is assistant professor of pharmacognosy at the School of Pharmacy, University of Manitoba. Mr. C. J. Briggs. of Manitoba. MR. C. J. BRIGGS. B.Pharm., M.P.S., and MR. J. W. HUBBARD, B.Pharm., M.P.S., who both graduated with second class honours from the School of Pharmacy, University of London, have been appointed as research assistants.

PERSONALITIES

MR. ALLEN ALDINGTON has been re-elected chairman of the London Executive Council for the year 1964-65.

GEORGE BRIGINSHAW, MR. M.P.S., who is medical representative



Mr. G. Briginshaw

for Parke, Davis & Co., in West London, is retiring after forty-one years' service with the company. Shortly after joining he was after posted to Bombay as medical representative where he saw service throughout the entire Indian continent. After the partition,

worked in both India and Pakistan. His job also called for frequent visits to places as far distant as Afghanistan, Baluchistan, Assam, Ceylon and Burma. Following a severe bout of pneumonia in 1950, Mr. Briginshaw returned to England and was appointed to the territory he has since covered. Mr. Briginshaw was one of seven members of the staff to retire at Easter; between them they had served the company for a total of 265 years. To mark the occasion the company gave them a special farewell lunch at the Hounslow laboratories on March 26.

MR. RONALD F. SEVERN, who ioined Abbott Laboratories, Ltd., in 1950 as advertising manager and is now a director of the company, has been appointed to the board of Tobal Laboratories, Ltd., a subsidiary of Messrs. Abbott.

MR. DENNIS VOSPER (Minister of Health, 1957) has been created a life peer.

MR. H. A. COLLINSON, who is managing director of Leicester, Lovell & Co., Ltd., Southampton, has been elected chairman of the British Plastics Federation.

MARRIAGES

WELSBY—EADES. — At Trinity Methodist Church, Crewe, Ches, recently, Anthony Seddon Welsby, M.P.S., son of Mr. C. Welsby, M.P.S., 1 Crewe Road, Sandbach, Ches, to Evelyn Eades, Nantwich, Ches.

DEATHS

CAMERON. — At Victoria, British Columbia, on March 17, Mr. John Cameron, F.P.S., The Bungalow, Bungalow, Corrie, Isle of Arran. Mr. Cameron qualified in 1920 and shortly afterwards went out to Peking to become head of the pharmacy department of the Union Medical College there. He remained for twenty years and was responsible for teaching pharmacy to Chinese students, becoming a fluent speaker in Chinese during that time. He returned to Britain in 1940 and joined the Department of Health for Scotland as a pharmaceutical member of the medical supplies team where he was responsible for building up the pharmaceutical departments of the Emergency Medical Service Hospitals. In 1943 he became director of medical supplies, Middle East, and in 1945 he became deputy director of medical supplies to the British Government in Washington, D.C., U.S.A. During his spell in the United States began his friendship with Sir Alexander Fleming, who toured the States under Mr. Cameron's care and guidance. On returning from the U.S. he retired and lived in the Isle of Arran. In 1940 he was elected Fellow of the Royal Society of Edinburgh.

CLUBB.-On March 20 (see C. & D.,

March 28, p. 302).
Mr. J. P. Murphy (chairman of the Liverpool Pharmaceutical Committee), writes:—The mere catalogue of Clubb's preferments cannot by itself do justice to the mettle of the man. Always good company, he contributed greatly to the gaiety of our social events, and in that capacity he will be sadly missed. A true colleague, generfriend to any pharmacist in trouble, undaunted champion of pharmacy in public and in private, fiercely intolerant of ineptitude in high places and always ready with a kindly twinkle in his eye to debunk the pompous. He had no superior at inserting an innocent-seeming spanner in the works. His experience and contributions to discussion were prodigious, full of wisdom and, with his feet firmly on the ground, an asset to the committees he served so well. His passing leaves a void it will be difficult to replenish. I write for all his colleagues in the Association and Branch, N.P.U., Pharmaceutical Committee and Executive Council, To his widow, who has earned her own special niche in our affection and esteem, we express our grief and sympathy in hers, the most tragic loss. For myself, I mourn a most loyal and considerate colleague. No chairman ever had a more efficient secretary and such personal loyalty.

COOPER. — On March 24, Mr. George Jocelyn Cooper, M.P.S., 10 Shottfield Avenue, East Sheen, London, S.W.14. Mr. Cooper, who qualified in 1924, died suddenly after having made a temporary recovery from a long illness earlier in the year. Mr. Cooper was appointed pharmaceutical area manager, A. Wander, Ltd., for the South-east of England in 1962 and had

been with the company for fourteen years.

GOODMAN.—On March 4, Mr. Harry Goodman, M.P.S., 40 Preston Road, Brighton, Sussex. Mr. Goodman qualified in 1932.

HAISELDEN.—On March 6, Mr. William Haiselden, M.P.S., Dallington, London Road, Halstead, Kent. Mr. Haiselden qualified in 1919 and for many years had his own business at Windsor Drive, Chelsfield, Kent.

HIGGINS.—Recently, Mr. Thomas Francis Higgins, Vernon Grove, Rathgar, Dublin, Eire. Mr. Higgins qualified in 1925 and owned a pharmacy at Mountpleasant Avenue, Dublin, for many years before retiring a few years ago.

PERRETT.—On March 22, Mr. Frank Perrett, 11 Brookfield Park, London, N.W.5. Mr. Perrett was a partner in F. Perrett & T. Rawlins (Williams & Peters), 165 Fortess Road, London, N.W.5, at which premises he scrved his apprenticeship. Mr. Perrett qualified as a chemist and druggist over sixty years ago (in 1900).

NEW PRODUCTS AND PACKS

TOILETRIES

For "Problem" Skins.—Elizabeth Arden, Ltd., 25 Old Bond Street, London, W.1, are introducing on April 10 a remarkable new speciality Ardena special cleansing cream formulated specially and only for use on oily, blemished and "problem" skins. The cream is claimed to loosen and absorb oily secretions and flush out deep-seated impurities without leaving a residual alkaline deposit of soap in the pores or drying the skin surface. "Its acid neturalising ingredients rapidly release oily waste matter that harbours bacteria causing acne, spots and blackheads." A standard jar contains enough cream to constitute a course of treatment.

SUNDRIES

Plastic-bodied Vacuum Flask.— L. Rees & Co., Ltd., 31 Wilson Street, London, E.C.2, have produced a new flask (No. 551) with body of polypropylene constructed in one piece. Unbreakable, the flask body has a strong plastic shoulder, new nylon stopper and sizeable cup. It is finished in two attractive pastel duotone colour schemes (blue and eau de nil).

Packs Redesigned.—New packs for Cooper's Fresh-aire and fly-killer are now reaching the shops. Designed for the manufacturers, Cooper, Macdougall & Robertson, Ltd., Berkhamsted, Herts, by the company's advertising agents, Masius & Fergusson Ltd., both packs are larger and more colourful than the original popular sizes supplied. They are "specially calculated to appeal to women." The Fresh-aire pack has a needlework design of flowers in pink, greens and black on a white ground, the three types (original, lavender and bouquet) are distinguished by their

caps (white, lavender and pink) respectively. The pack of fly-killer, now in an improved formulation, is decorated



with faint outlines of insects, "research having shown that housewives find naturalistic illustrations of insects objectionable." The outer holds 1 doz.

Eleven New Dye Shades.—Mayborn Products, Ltd., Dylon Works, London, S.E.26, have added eleven new colours to their multi-purpose Dylon range, increasing it from thirty-six to forty-seven. The new colours are Sherwood green, primrose, mushroom, dusty pink, tangerine, terracotta, saxe blue, Parma violet, wine, cerise and honey tan. Every tin of the Dylon dye now has a transparent overwrap and circular "concertina-ed" instruction leaflet. A counter display unit available from the



company holds 188 tins of dye (four cach of the forty-seven colours), plus a compartment for tins of Dygon colour remover.

Redesigned Packs.—Illustrated is one of the new pack designs which Newey Bros., Ltd., are producing for their range of hair accessories. Each is in bright clear colours and striking in design. The blue, white and pink "header" card attached to the poly-



Above: Redesigned card packs for Blend Rite cushion tips hair grips. Other members of the series are in closely similar designs, At right: "Header" card attached to polythene bag of Comba rolls.



thene bag of Comba rolls makes for easy handling and identification. The rolls come in four sizes—small (ten to a pack); standard (eight); large (six), and monster (five). Redesigned card packs for the 'Newey range of hair grips echo the same striking design and are designed to hang from the self-service counter display racks. Each is in its own colour scheme.

CHANGED PACKS: Left, A new family-size bottle of Silvikrin liquid shampoo (enough for seventeen applications) shown alongside its smaller sister. Right: Two new sizes of Bristow's lanolin liquid shampoo, "standard," and "economy." The bottles are of new and elegant shape. Manufacturers





of both products are Beecham Toiletry Division, Beecham House, Great West Road, Brentford, Middlesex.

INFORMATION WANTED

The Editor would appreciate information about: Hamam soap

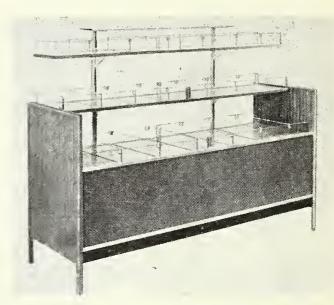
What's New in Aids to Display

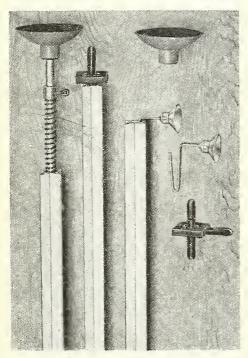
ITEMS ON SHOW DURING INTERNATIONAL DISPLAY MARKET WEEK

AN exhibition of display equipment staged by the National Display Equipment Association in London recently was supported by a record number of exhibitors.

E. POLLARD & Co., LTD., 157 St. John Street, London, E.C.l, offered a "do-it-yourself" display kit originally designed in Copenhagen and marketed in Britain as Pollards Astra-Bild. Basic unit is a four-pointed star-shaped channelling into which may be inserted panels or shelves of glass, metal or showcards. The "points" are, in fact, junctions of two strips of plastic at which there is sufficient pressure to hold cards in position. Provided the cards are no greater than 3-4 mm. thick, the plastic material is not strained and may be used repeatedly. Astra-Bild comes in box of ten strips, each 59 in. long, for







Above: The Astra-Bild system and accessories. Below: Some of the adaptations that can be

£9 10s. The core of the channelling accepts plastic two-way and three-way joining pieces. The two-way unit enables Astra-Bild to be assembled into required lengths. Three-way units are used to build shelves or square or oblong shapes in variety. To maintain rigidity over long lengths (for example between floor and ceiling) rubber suction cups are used in combination with a metal rod in the core and a spring maintained under pressure with an adjustable collar. Simplest use for Astra-Bild is for holding showcards or signs in position, but only a little ingenuity and imagination are needed to produce from the two- and three-way units quite complicated structures.

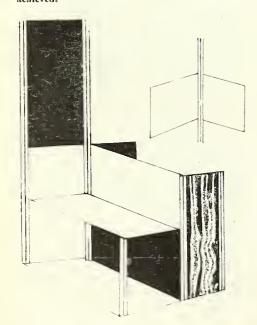
RUDDUCK & Co. (SHOPFITTERS), LTD., 70 City Road, London, E.C.1, had on display their new Interplan range of self-selection counter and display units. A display of pharmaceutical products showed how suitable the range was for use in a pharmacy. The Interplan counter range is based on a single standard chassis (two ends and a platform rigidly joined together). The ends are construc-

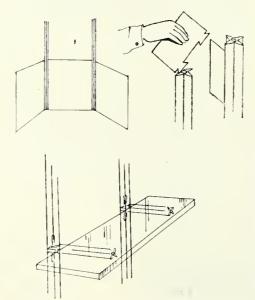
ted with a laminated-board panel of veneered sapele mahogany externally fitted within a welded steel frame that forms the legs. The front panel may be finished in "fineline" veneer in walnut, sapele veneer, or in leather fabric in dark green, wine, fawn, light blue, dark blue, light grey or yellow. The solid tops, where applicable, are available in Melamine plastic or Melamine impregnated wood veneer. Interplan gondolas are supplied to specific requirements. Examples of wall unit fittings and self-selection counter units were also shown. The standard model comprises twenty-four bins or compartments formed by glass sides and divisions. A "super" model is built on two levels, the upper part having two sloping trays with glass binning and divisions supported by a centre service shelf. An unusual feature of the display was a demonstration of Thornvision, a system of closed-circuit television in which a picture taken by a Thornvision camera is transmitted along a single cable to a monitor. The complete equipment, which costs £225, was being demonstrated as an aid to security in shops in which goods are immediately accessible to the customer.

YORKSHIRE DISPLAY SERVICE, 10 York Place, Leeds, 1, offered a new American moving sign at £36. The message tape cost £2 10s. and carries 115 characters, each approximately 2 in. high. For display purposes the company also showed animated figures, models. etc., including an antique window 30 x 19 in. in area at 17s. 4d.

COLORTYPE (LONDON), LTD., Poughill, Bude, North Cornwall, had on show display lettering of the type used for directory boards, departmental signs. door signs and displays. The letters were available in black, red, white, yellow, blue, metallised gilt and silver.

A. MITCHELL DISPLAYCRAFT, 17 Ripon Road, Harrogate, Yorks, exhibited Colcubes consisting of wire trays having legs at each corner on to which are placed brass tubes of varying





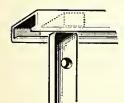
lengths. The system enables display units of great variety to be quickly built up, dismantled and redesigned in accordance with display requirements.
The sets ranged from 57s. 6d. to
£10 10s. in price. A combination of brass and copper was offered in the form of glass shelf edging in rolls of 165 ft.; the edging overcomes the necessity of bevelling and polishing the glass shelves and forms a neat finish that may be applied without difficulty. The strip is untarnishable and cost £7 5s. a roll. It may be used to cover shelves with chipped edges.

GLYN EVANS & Co., 168 Mitcham Road, Tooting, London, S.W.17, offered a wide range of brass wire display units, card-holders and easels.

B. HEYMAN, 47 Mildmay Park, London, N.I., offered a variety of rollers and roller-contrivances, especially the Windowbill-roller, a neat, closed apparatus that may be taken around in a brief-case. It holds the adhesive and/or water and applies it to the bill; the lid carries a rubber roller for stretching the bill. Other rollers for large-scale painting, decorating and glueing cardboard boxes were also on display

DISPLAY ELECTRICS, LTD., 59 Lansdowne Place, Hove, 3, Sussex, are manufacturers and distributors of interchangeable electric signs that are supplied with kits of letters, numerals and symbols. The Newsreel unit is a continuous moving sign capable of accepting fifty-six characters and repeating the message every 14 sec.

LYNDON DISPLAY Co., 164 Street, Deritend, Birmingham, 12, introduced their Lyndon suspension system for use in window and interior displays. Two types are available, the



Side-swing is eliminated in the Lyndon system by the close fit of the hanger T fitting in the box channel.

first using box-channel sections into which are fitted hanger bars that are first placed into the channel and then turned, so that a T-fitting locks in position. Four hanger bars may be used to suspend a shelf or shelves. The other system (for new windows) uses an allover ceiling grill on to which the hanger bars are hooked. The hook is shaped to lock both over and under the grille, so that "side swinging" on the hanger bar is eliminated. The hanger bars are available in 2, 3, 4, 5 and 6-ft. lengths, and variety is introduced into the system by the use of ladder-rungs on which other shelves can be suspended below the one that is carried on the four hanger bars.

MULTIFORM DISPLAYS, LTD., 41 North Audley Street, London, W.1, demonstrated a new stand on which two angle-metal supports carry three black vitreous or plain glass shelves.

MASSON, SEELEY & Co., LTD., 137 Euston Road, London, N.W.1, featured several models from the company's wide range of equipment for quick and economical showcard and price-ticket production. Most of the models are designed for large users. The smallest

model that appeared to be useful for units of three or more shops was a process combining pigmented foil, heat and pressure. Being entirely dry, the cards and tickets may be used immediately they leave the machine.

MARLER HALEY (BARNET), LTD., Queen's Road, Wood Street, Barnet, Herts, demonstrated how their new Spaceframe MK2 display stands may be erected without clips, clamps or bolts. The units consist of shelves size 2 x $1\frac{1}{2}$ ft., made of blockboard and resting on a frame having corner tubes with $\frac{3}{8}$ in. diameter pegs at their lower ends. The pegs fit into tubes 6 in., 1, $1\frac{1}{2}$, 2 or 3 ft. long. Thus the tray or stand may be adjusted to any of those heights. "Ladder bars" or cross bars are used to ensure stability and to provide other heights at intervals of 6 in. They also enable series of interlocked display shelves to be built for window or island displays. The frames are available in matt chrome plated or satin black stove enamelled finishes. The shelves are in a variety of finishes.

CHURCH & Co. (FITTINGS), LTD., 26

South Street, Reading, Berks, intro-duced a new Hokon profit series of fittings suitable for pharmacies and based on units having 30-in. centres capable of accepting high loadings. The shelves are finished in grey elm plastic material, the rear in matching grey Portaflex. Wall installations, gondolas and counters are manufactured by production line techniques, enabling costs to be kept to a minimum. The counter unit may be fitted either with shelving or with drawers, varying in depth from $1\frac{1}{2}$ to 3 in.

L. CHORLTON & Co., LTD., 5 Church Street, Prescot, Lancs, included in their range of interchangeable price tickets

a new rotary price indicator. DISPLAY ENTERPRISES, Duke Street, Grosvenor Square, London, W.1, exhibited from their wide range of floral fantasia artificial flowers in brilliant colourings and original designs. The company undertake to prepare special displays in accordance with customers' requirements.

GREENFINGERS, LTD., 1 High Parade, Streatham, London, S.W.16, had on display a range of model flowers and plants including a huge vase of poppies spotlighted for dramatic effect. The company operate a hire service of plants and flowers in the Greater London area.

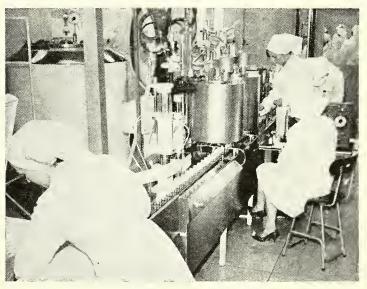
CHORLEY FLORAL PRODUCTS (UX-BRIDGE), LTD., 35 High Street, Laundry Yard, Uxbridge, Middlesex, showed examples of artificial floral designs produced in all sizes from giant sprays to miniature units. There were new creations in chiffon plastic and some unusual models of feathered birds.

PHARMACEUTICAL AEROSOLS

Special filling unit established at Bracknell, Berks

WHAT is believed to be the first factory outside the United States to be built specially for contract filling of pharmaceutical aerosols is now in production at Bracknell, Berks. Built by

Before filling, the bulk concentrate and the glass containers are maintained at low temperatures in a cold store. When the concentrate is taken into the filling area it is first chilled in a stain-



START OF THE LINE: The vials on the filling line are to be filled by the cold method. They are transferred to the belt from a cold cabinet (seen at left). The stainlesssteel vessel in which the concentrate is chilled before being injected into the vial can be seen beyond the opera-The product being filled is Bronchilator, 10 mils. (Bayer Products, Ltd.).

Armstrong Laboratories (International), Ltd., the new plant is a self-contained unit which it is planned to extend by building three further units of the same design as and when demand for the service increases.

The unit contains a private office where the manufacturer's pharmacist can work on confidential data and a laboratory which has a complete view of the filling area. There is also a large storage area with a cold room and loading bay. The area in which the main filling plant is housed is kept at constant temperature with humidity and dust excluded by positive pressure.

less-steel vessel before it passes to the injector machine.

Filling of the containers may be done in two ways. The first is cold filling in which the propellent and concentrate are chilled and accurately dispensed into the pre-chilled container and the valve sealed into the container. The second method is pressure filling, where the concentrate, either in solution or suspension, is filled into the chilled container at room or stability temperature. The valve is then sealed on and the propellent is injected through the valve into the container by means of accurate pressure displacement. The filling

line is capable of undertaking special combinations of both cold and pressure filling. A feature of the new plant is its flexibility in the length of run (from 1,000 to 30,000 bottles a day); in the size of container (from 2-c.c. bottles to 12-oz. containers); in type of fill and in the wide choice of components. Each pharmaceutical manufacturer using the facilities is awarded the same privacy and measure of control normally imposed at his own plant.

As previously announced (C. & D., December 29, 1962, p. 692), Armstrong Laboratories (International). Ltd., was formed by the Thomas Tilling Group in association with Armstrong Laboratories, Inc., Boston, U.S.A., who have had long experience in the specialised field of pharmaceutical aerosols in that country. A.L.I's associate company, the Aerosol Packaging Co., Ltd. (a member of the Tilling group) has been established at Bracknell since 1955 and claims to be the largest contract filler of aerosols in Western Europe but the filling of pharmaceutical aerosols calls for special skills and experience as the production must be designed to achieve the highest degree of accuracy and quality control. The machinery installed in the new plant was built to designs supplied by the American company and was assembled by A.L.I. technical staff.

The company believe that of all pressure packs, pharmaceutical aerosols are expected to show the most progress during the next few years.

TRADE NOTES

Change of Distribution.—All Tokalon, Pretty Quick and Chase products are now being distributed by Tokalon, Ltd., Hanworth Lane, Chertsey, Surrey.

Discontinued. — Thomas Kerfoot & Co., Ltd., Vale of Bardsley, Ashton-under-Lyme, Lancs, notify that Kik insect repellent has been withdrawn from their list.

A New Centre of Distribution.—Warren Stanley & Co., Ltd., wholesale chemists (formerly of Edgware), announce the opening of new warehouse and offices at 37 Pratt Street, Camden Town, London, N.W.1 (telephones: GULliver 3464/65).

Correction to Advertisement.—The bonus offer in respect of Q-Tips announced by Q-Tips (Great Britain), Ltd., Victoria Road, London, N.W.10, allows 2s. off price of the case of 2 doz. size 100, and 2s. 6d. off the price of the case of 1 doz. size 300, and not as stated in the company's advertisement in this issue.

Bonus Offers

Alberto Culver Co., 44 Newington Causeway, London, S.E.1. Alberto VO5 hair spray. Twelve invoiced as ten. During April.

BRITISH CHEMOTHEUTIC PRODUCTS, LTD., Kemtheutic House, Grant Street, Bradford, 3. Bisk-o-lem lemon juice. Thirteen invoiced as twelve.

W. B. CARTWRIGHT, LTD., Rawdon, Leeds. Bunty baby products. Twelve invoiced as ten on one-delivery order for 6 doz. or more; twelve invoiced as 11 on one-delivery order for 3 doz. or more.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Launching Pad

SIR,—I notice in a recent copy of *The Grocer* which came my way, that Stera-fix is now available to all food outlets. Hence another traditional chemists' line has gone to the "enemy camp." Meanwhile we, as chemists, are being exhorted to co-operate in the joint sampling promotion of Stera-fix with Steradent. It is time retail pharmacists realised that we have been relegated to the rôle of a "launching pad" so far as some manufacturers are concerned.

DISGRUNTLED CHEMIST

Statutory Committee Delays

SIR,—At a meeting of the Romford Branch of the Pharmaceutical Society, held on March 16, the following resolution was passed:—

"That this Branch notes with great concern the delay which can occur between the time that a member commits an offence and his appearance before the Statutory Committee—recently two of our members waited for six months, which is considered to be far too long—and asks that everything possible be done in the future to minimise the delay."

E. W. RICHARD, Branch Secretary

Disclaimer

SIR,—Reference an article in your correspondence columns headed "You are Being Warned" (C. & D., March 21, p. 284) by J. Hawkins, Woodingdean, we would like to place on record that the identity of the firm being written about is left vague and could have repercussions on the business of any firm doing display work for pharmacies, we have no connection with the item mentioned in the letter.

GARTSIDE WINDOW DISPLAY ORGANISATION, LTD. Kingston-upon-Thames

"From Darkest Hitchin"

SIR,—I think you have on occasions published letters from "darkest Africa" and wondered whether you would publish "from darkest Hitchin" the following, which I received from a Jamaican customer:—

SIR,—I am in trouble with a woman. I send to Jamaica to get her here. She leave my house and not want to come back to me. If you know any oil or powder can help me to bring her back in my home I would like you to help me. If you don't sell any of them and you can get it for me please send and get it for me. To get her back is £75 12s. I have to pay, and is very hard. Please try your best to help me. I don't know in England her. I leave it to you, sir, to consider me. We have p'enty things in Jamaica.

I have since discovered that in Jamaica there is a leaf from which a concoction or decoction is made and the man carries it with him and smears it on his hand and when he meets the woman in the street he walks up to her and rubs it on her shoulder "and

she comes back to me." As this is the second letter of the type I have received in the past few months I feel that, although I may not enjoy much status as a pharmacist my status as a witch doctor is steadily improving.

H. G. A. CRIPPS, Hitchin, Herts

[Mr. Cripps gives no explanation of his "improved status as a witch doctor." Can it be that he found the right answer to the first request and so prompted the second?—EDITOR.]

Council Membership

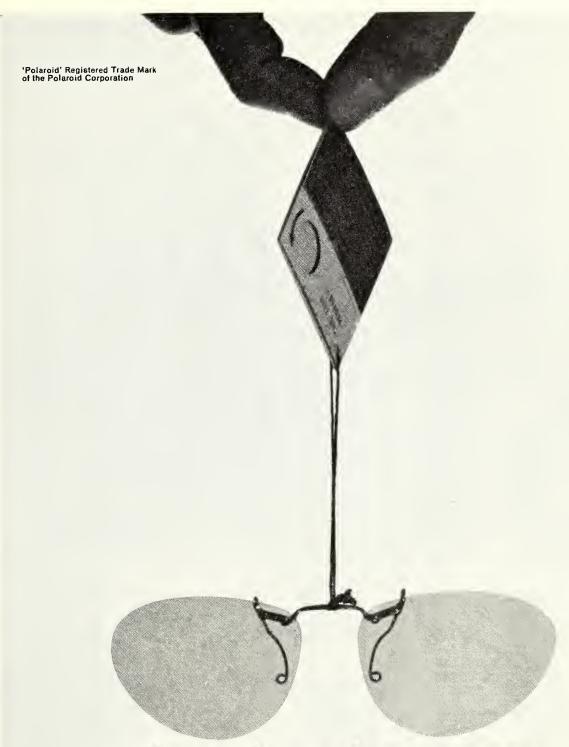
SIR,—Soon we shall have the Pharmaceutical Society Council elections with us—a council that has been elected in the same old way since its inception. The time has come to take stock. We have twenty-one members of Council, seven retiring every three years. Now twenty-one may have been ideal years ago when the membership was small, but today the picture is different. We have a vastly increased membership, problems are more complex and we are living under increased pressure. I suggest that our Members of Council have too much work in the time available. With all the goodwill in the world it is not fair to them. The number should be increased to twenty-five. Again the three-year period is, in modern conditions, too short. No sooner is one elected and getting to grips with things than re-election is here again. The period should be extended to five years, so that we have five retirements every five years. Increasing the Council to twenty-five means four more places. At the present moment there is not one retail employee pharmacist elected to the Council. In fact the majority are proprietor pharmacists. I am not casting any reflection on those people, who are of the highest character and have done work of immense value to the profession, but considering the number of employee pharmacists today ever-increasing number — there should be some alteration. I would suggest that we have the usual election for the normal twenty-one seats, but the four extra seats be allocated for election as follows: one hospital, one private retail employee, one Co-operative or company employee, one research or teaching pharmacist. In this way there is at least one person on the Council who can express the views of the section he represents, and the Council would have a better picture of pharmacy as it effects each and every one of us.

MERVYN MADGE, M.P.S., Plymouth

PRESCRIPTION SOLUTION

CORRECT interpretation of last week's "Prescription Poser" is:—

Tab. Thyroxine 0.5. Mitte 42. Sig. i t.i.d.p.c. Tab. Piriton 4 mgm. Mitte 50. I tab. 4 hourly. Efcortelan lotion 1% with 20 c.c.



One-sixth of an ounce

This is clip-on Model 141. Its total weight is barely 1/6th oz. This lightness assures maximum comfort for your customer. Whether framed or clip-on, light-weight Polaroid sunglasses never become annoying—even after a whole day outdoors. Moreover, Polaroid sunglasses, reduce eye fatigue. Unlike ordinary sunglasses, Polaroid lenses screen out reflected glare from roads, water, snow, or any other horizontal surface. The result is better vision and greater eye comfort. This no-glare feature plus lightness add up to a powerful selling combination.

POLAROID SUNGLASSES

Polaroid (U.K.) Limited, Queensway House, Queensway, Hatfield, Herts.

BIGGEST EVER PROMOTIONAL ACTIVITY FOR OPTREX

The new Optrex TRAVELLER

-answer to a longfelt need!

Here's something your customers have wanted for a long time—Optrex in a handsome *unbreakable* travel bottle. The new Optrex 'Traveller' opens up a new profitable section of the market. *The Optrex 'Traveller' is:*

● LIGHTWEIGHT ● LEAKPROOF ● DURABLE (AND REFILLABLE!) ● COMPLETE WITH EYE-BATH

RETAIL PRICE 5/-... allowing you a really worthwhile profit margin!

The Optrex 'Traveller' is being launched with strong National Advertising backing. It will appear in such wide-circulation media as the Daily Express, Daily Telegraph and Radio Times. On the Editorial Publicity side, prospects are good for Optrex 'Traveller' to be announced as a new 'product-of-interest' in journals bought by motorists, sportsmen, holiday-makers and travellers.



National Advertising that promotes regular Optrex-bathing means repeat sales for you!

New, large-space Optrex advertisements in the National Press stress regularity of use and the cumulative benefits of Optrex-bathing. Result? Repeat purchases ... and more repeat purchases over your counter.

PRESS

Large impact spaces plus

High frequency smaller spaces appearing regularly throughout the year in:

TOTAL READERSHIP

DAILY EXPRESS

12,700,000

DAILY TELEGRAPH

3,400,000

RADIO TIMES

16,500,000

PROGRESSIVE AREA TV!

A total of 30 spots in Tyne Tees and Southern reaching 4,660,000 adults.

SUSTAINED PROMOTION THROUGHOUT YEAR

We want the pharmaceutical trade to get the maximum benefit from each and every promotion. We've planned a stimulating year . . . a year with no *flat planes*. The Optrex Representative will be calling on you shortly . . . we suggest that IN YOUR OWN INTERESTS you make your next order BIG to

meet greatly increased demand. See that you have both small sizes of Optrex in stock—with and without the special Optrex eye-bath.

New Optrex users will need Optrex with the special eye-bath.

Regular Optrex users will need Optrex without the special eye-bath.

Remember, Optrex is a 'chemists only' line!

Medicated Optrex refreshes tired eyes instantly - keeps them clear and healthy





-approved by B.E.A.B.

Dreamland 'Safety-Seal' Electric Blankets have just passed the most stringent safety regulations ever laid down in Britain. Thanks to 'Safety-Seal' every Dreamland blanket will now carry the coveted new B.E.A.B. mark. And these are not experimental blankets tested only in laboratories. They're models with the same 'Safety-Seal' system as has been built into Dreamland blankets for the past three years—and endorsed by over a million

users.
This impressive B.E.A.B. and public endorsement bears out everything ever claimed for Dreamland 'Safety-Seal'

—the system unique in electric blanket manufacturing today. The waterproofed heating element is sealed and held fast between two layers of special foam material. It can't shift, with normal care just can't overheat.

No other electric blanket has 'Safety-Seal'. It's built into every model in the Dreamland range. Now, with the latest B.E.A.B. approval, every Dreamland purchaser can more than ever look forward to all-over warmth, all-over comfort and complete peace of mind. That's the up-to-theminute guarantee behind every Dreamland 'Safety-Seal' Electric Blanket you sell.

What is B.E.A.B.?

The British Electrical
Approvals Board aims to
protect and safeguard the
public by testing and
approving domestic
electrical appliances for
safety and durability in
accordance with the
British Standards Institution
Specifications.









STARLET One size only SLB £4.13.8



TO BRITISH STANDARD SPECIFICATION 3456

ELECTRIC BLANKETS



For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at 28 Essex Street, Strand, London, W.C.2

TELEPHONE: CENTRAL 6565

Almost a Victory

THE treatment of pharmaceutical matters by members of the House of Commons during the past few years had almost led pharmacists to believe they had few or no allies in that quarter. To find friends in such an unexpected place when, on March 25, the Government's majority was reduced to one during a discussion on the Resale Prices Bill (see p. 333) and to learn that they are willing to speak and act specifically on behalf of pharmacists, was indeed a heart-warming experience. The unexpected pleasure of finding such support has almost overcome the disappointment at the rejection by the Government of an exemption for drugs and medicines inserted into the Bill.

It had become evident in Parliamentary circles that the prodigious amount of work achieved by the collaboration of the Pharmaceutical Society, the National Pharmaceutical Union, Proprietary Articles Trade Association and Company Chemists' Association had made M.P.s aware how gravely chemists viewed the possible effect of the Resale Prices Bill as originally drafted. That work had been excellently supported by the countless individual contributions by pharmacists who had taken the trouble to write to and meet their local Members of Parliament. Sir Hugh Linstead has stated that a major factor in ensuring that pharmacy's viewpoint had a sympathetic hearing in the House was the letters written to M.P.s by individual pharmacists in serious and responsible terms, from which it became evident to the M.P.s that the Bill was a serious attack upon the service pharmacists maintained in public health.

Whilst there has been no exemption granted for drugs and medicines under the Bill, a number of other achievements may be claimed. One is the complete rewriting of the "loss-leader" clause in terms almost identical with those submitted by the pharmaceutical organisations. They will be discussed when clause 3 of the Bill is considered in Committee, and it is likely the amendments will be accepted without much opposition.

Having been so nearly defeated on one occasion, the Government will undoubtedly take steps to safeguard against a repetition of such close voting. That consideration leads us to hope the "gate-ways" for exemption dealt with in clause 5 of the Bill will be amended so as virtually to ensure that applications for the exemption of medicines will be approved by the Restrictive Practices Court. Whatever happens, those members who voted for the exemption amendment are in a strong negotiating position concerning the remaining details of the Bill.

The discussions on the Resale Prices Bill must inevitably have effect in other ways. For example, they cannot but be helpful to those concerned with the current negotiations on matters of chemists' remuneration. It must surely also have some effect on the legislation proposed in dealing with drugs and medicines. Possibly the most important lesson to be learned is that, when all groups in pharmacy unite and plead their cause together in a satisfactory manner, much can be achieved—even in the area beneath Big Ben.

Preventing the Misuse of Drugs

THE Drugs (Prevention of Misuse) Bill presented by the Home Secretary to Parliament (see p. 332) strengthens the controls over a wide range of amphetamine compounds in order to prevent their misuse. The Bill aims "to penalise the possession and restrict the importation" of "all amphetamines and drugs with similar effects at present in use," subject to certain specified exceptions (which include ephedrine, N-methylephedrine, N-diethylamino - ethylephedrine, phenylpropanolamine and phenylamine).

If Parliament approves the Bill it will become an offence to be in unauthorised possession of the drugs or to import them without a licence. Offenders are to be punished by fines of up to £200 or six months' imprisonment, or both. Members of the public who are authorised to be in possession of the scheduled drugs are those who have received them on a prescription from a qualified medical practitioner or registered dental practitioner or registered veterinary practitioner.

Exempted from the Bill are persons who need to be in possession of the substances for purposes of their profession or employment (doctors, dentists, veterinary practitioners, registered pharmaceutical chemists and authorised sellers of poisons). To cover employees, clause 2 contains a special exemption for "persons acting in accordance with the directions of" a doctor, dentist, veterinary surgeon, veterinary practitioner or a registered pharmaceutical chemist."

The Bill includes special provisions for the registration by the Home Secretary of manufacturers or "dealers in bulk" in controlled substances. The importation of the compounds becomes subject to a licensing system controlled by the Home Secretary, and it will become an offence to import any of the drugs without a licence.

For pharmacists in general practice the Bill does not appear to add to their already onerous duties in respect of the amphetamine compounds, but manufacturers and wholesalers could find their responsibilities increased beyond mere licensing arrangements by clauses written in to the licences issued by the Home Secretary.

Whilst joining in condemnation of the misuse of drugs that has prompted the new legislation, we must stress that diversions from the licit trade in amphetamines have not been identified as the main source of supply for those who have been misusing the drugs.

We therefore do not believe that industry should be asked to cope with more restrictions by piecemeal legislation. The stage has now been reached when new controls should only be introduced as part of the promised comprehensive legislation dealing with medicines.

The licensing procedure could well be omitted from the Bill, leaving the possession restrictions which enable the police to deal with those who misuse the drug.

Overseas Trade in Pharmaceuticals

UNITED Kingdom exports of medicinal and pharmaceutical products (as classified in division 54 of the Trade and Navigation Accounts) during February were valued at £4,966,347 against £4,430,186 in February 1963. February was the fourth successive month that the value of shipments have shown a rise over the corresponding month of a year previous, that trend being in line with the country's exports as a whole. The similarity, however, is not entirely duplicated when it comes to growth areas. In the case of total exports, the increase has come from higher sales to the sterling area and to European Free Trade Association countries with little significant change in other markets. For pharmaceuticals the sterling area has contracted rather than expanded but sales to E.F.T.A. and particularly to Common Market countries have improved substantially.

PHARMACEUTICAL PRODUCTS—EXPORTS	-
	£
Sera and vaccines	117,702
Vitamins	81,328
Antibiotics	
Penicillin injections	85,242
tablets, ointments, etc.	95,902
other	383,244
Alkaloids	26,222
Aspirin	92,532
Antihistamines	43,789
Antipaludics	74,218
Barbiturates	26,561
Hormones	164,844
G'ycosides	6,495
Ointments, liniments*	149,393
Organo therapeutic glands, etc.*	11,979
Sulphonamides	66,050
Proprietary medicines*	1,416,475
Unc'assified medicines*	655,622

PHARMACEUTICALS IN BULK—EXPORTS	
Vitamins	151,385
Penicillin	167,022
Antibiotics other than penicillin	246,603
Alkaloids	90,528
Hormones	117,378
Glycosides	18,446
Organo therapeutic glands	20,904
Aspirin	42,270
Barbiturates	37,568
Sulphonamides	139,816
Glycerin	14,059
Citric acid	110,977
PRARMACEUTICAL PRODUCTS—IMPORTS	
Vitamins	41,603
Antibiotics	99,252
Alkaloids	79,648
Glycosides, glands, sera, vaccincs	34,062
Proprietary and veterinary medicines	334,872
All other	61,873
*Not alcowhere specified	

*Not elsewhere specified.

As in January the value of sera and vaccines was up and that of vitamins down, on the corresponding month a year ago. The tables give the February export and import values for most of the pharmaceuticals that are disclosed by the Board of Trade. Nigeria was the largest single market for U.K. pharmaceuticals during February, her purchases being valued at £357,803. Australia was a close second with £347,482, followed by New Zealand with £304,543. The Common Market countries took £672,123 and E.F.T.A., £393,759. Purchases by the Irish Republic at £218,243 were about £30,000 down on February 1963.

Imported pharmaceutical products were, at £651,310, some £140,000 higher than February 1963. The Netherlands accounted for almost a quarter of the imports and Western Germany for a little under one-sixth.

Pharmaceutical Society of Northern Ireland MONTHLY MEETING OF COUNCIL

MEMORANDUM on pharmacy administration for the year ended December 31, 1963, from the Ministry of Home Affairs was submitted to the monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland held in Belfast on March 19. It showed that the number of names on the Register of Pharmaceutical Chemists dropped from 1,165 in 1962 to 1,150 in 1963 and the number of apprentices from 150 to 136. The number of licences issued fell from 744 in 1952 to 729 in 1963.

Reporting on a discussion between representatives of the Society and of Queen's University, Belfast, MR. W. H. BOYD said that the University would like the use of the new hall for two or three hours each morning during the next academic year. The Council had thought that the University wished to make a block booking and it might now be possible to make arrangements so that the hall would be available to the University for lectures. The University secretary was to obtain more detailed information. The Council agreed to consider the request.

Presenting the report from the Education Committee MR. R. J. DAVIDSON said that the Society's solicitor had been asked to look at the Pharmacy Acts and advise the Council as to whether the Society's examinations could be stopped should a University degree be made necessary for registration as a Pharmaceutical Chemist. The Council had been advised that the Act of 1925 required the Council to "cause examinations to be held." If the University offered a degree which included all the subjects mentioned in the Second Schedule of the 1925 Act then the Council could recognise it and would not be compelled to hold any additional examination.

In a report from the Law Committee the chairman (MR. HUNTER) said that the Memorandum on Medicines Legislation had been considered at some length. Recommendations from the Committee were adopted and the secretary was instructed to convey them to the Ministry of Home Affairs.

It was reported that the Commissioner of Valuation had now placed a new value on the Society's premises to include the renovations and additions made during the past year. It was agreed that the matter should be submitted to the Society's solicitor with a view to appealing against the Commissioner's figure.

The president, Mr. N. C. Cooper, was in the chair. Also present were Dr. R. G. R. Bacon and Messrs. A. T. Hardy, W. H. Boyd, R. J. Davidson, B. Flatley, H. W. Gamble, J. Gordon, J. Kerr, G. E. McIlhagger, D. Moore, J. Paul and W. C. Tate. Apologies for absence were received from Messrs. H. G. Campbell, W. Donaldson, W. P. Ewart, A. Templeton and R. M. Watson.

A PHARMACIST'S ANTHOLOGY

A PROMISE OF RELIEF FROM PAIN

From George Eliot's "Silas Marner"

One day, taking a pair of shoes to be mended, he saw the cobbler's wife seated by the fire, suffering from the terrible symptoms of heart-disease and dropsy, which he had witnessed as the precursors of his mother's death. He felt a rush of pity at the mingled sight and remembrance, and, recalling the relief his mother had found from a simple preparation of foxglove, he promised Sally Oates to bring her something that would ease her, since the doctor did her no good.

Retail Salaries in Northern Ireland

NEW RATES FOR PHARMACEUTICAL EMPLOYEES

NEW minimum salaries and wages for pharmaceutical employees, to be observed by all employers engaged in retail pharmacy in Northern Ireland, have been determined by the Arbitration Board set up under the Industrial Courts Act, 1919. The annual rates and conditions, effective from March 2 and equally applicable to both sexes, are as follows:—

ASSISTANT PHARMACEUTICAL CHEMISTS

		£		£
First year	after		Third year	800
qualification	and		Fourth year	. 840
registration	as		Fifth year	880
Ph.C.		720	Sixth year	920
Second year		760		

MANAGERS AND BRANCH MANAGERS

Persons qualified as pharmaceutical chemists employed in the capacity of manager or branch manager.

		£		£
First year	after		Second year	900
qualification	and		Third year	975
registration	23		Fourth year	1,050
Ph.C.		850	*	

SUPERINTENDENTS OF BODIES CORPORATE AND MANAGERS FOR REPRESENTATIVES (Sections 17 and 18, 1945 Act)

£	3	£
First year after	Third year	1,100
qualification and	Fourth year	1,150
registration as	Fifth year	1,200
Ph.C.	,000 Sixth year	1,250
Second year 1	1,050 Seventh year	1,300

LOCUMS: £18 to £20 per week according to responsibility and experience.

ROTA: Pharmacists, 12s. 6d.; unqualified assistants, 7s. 6d.; apprentices, 6s.; unregistered shop assistants, 6s. per night.

UNQUALIFIED ASSISTANTS

Persons who have completed the period of practical training and the full academic course recognised by the Pharmaceutical Society of Northern Ireland, but who have not qualified as pharmaceutical chemists.

	£		£
First year after		Second year	500
completion of prac-		Third year	550
tical and academic		Fourth year	600
training	450	Fifth year	650

FEMALE UNREGISTERED SHOP ASSISTANTS (Not applicable to porters messengers

(Not applicable to porters, messengers, book-keepers, etc.)

AGE	PER	AGE	PER
	WEEK		WEEK
15 years	£2 15s.	21 years	£5
16 years	£3	22 years	£5 10s.
17 years	£3 10s.	23 years	£6
18 years	£3 15s.	24 years	£6 10s.
*19 years	£4	25 years	
20 years	£4 10s.	and over	£7

*At this point increments are subject to previous experience.

The Executive Committee of the Ulster Chemists' Association strongly recommends that no male unregistered assistants (new entrants) be admitted to pharmacy.

STUDENTS

Persons registered as apprentices to pharmaceutical chemists for Northern Ireland who are undergoing a course of practical training.

	PRE-QUALIFI- CATION	POST- GRADUATE
First year of training	£	£
First six months	50	275
Second six months	210	300
Second year of training	275	325

Non-Prejudice Clause: The rates of salaries and conditions of employment set out here are minima, and do not prevent the payment of higher rates of salaries or the operation of better conditions of employment. Nothing here shall be taken to prejudice any higher rates or better conditions in existence when the agreement becomes operative.

Conditions of Employment

HOURS: The normal working week shall be one of forty-four hours. (See notes following.)

OVERTIME: Work done in excess of forty-four hours in any week shall be paid for at the rate of time and one half. Employees who are required to work on any of the six fixed holidays shall receive payment at the rate of double time.

HOLIDAYS: Twelve working days' holidays with pay in each twelve months worked or pro-rata for each month completed, and the six trade holidays or days off in lieu where trade holidays are worked. In addition to their normal holidays, two days' holidays shall be permitted to staff for each five complete periods of rota service undertaken, and superintendents and sole pharmacists in charge shall receive one working day's holiday for each weekly period of rota service undertaken in the year, up to a maximum of six days.

As from January 1, 1960, a pharmacist who has had twenty-four months' service with his or her employer (in the capacity of Ph.C.) shall be entitled to three weeks' holidays with pay, the third week to be taken at a time mutually agreed with the employer.

HOLIDAY YEAR: For the assessment of holidays, the holiday year shall be fixed from January 1 to December 31 of any year.

Notes

Hours: No deduction shall be made from the wages of an employee who has worked for less than 44 hours in any week, if his employer's hours of business do not permit the working of a full 44-hour week.

A pro-rata deduction may be made by an employer from the wages of his employee who voluntarily agrees to work less than 44 hours per week if the number of hours actually worked is less than the number of the employer's hours of business (e.g., an assistant engaged on a parttime basis).

TERMINATION OF EMPLOYMENT: Employees, other than registered apprentices and unregistered shop assistants, shall give or receive four weeks' notice to terminate their employment, the four weeks to count

from the date of giving or receiving of such notice. Unregistered shop assistants shall give or receive one week's notice to terminate their employment.

Wages During Sickness

1. Subject to the production of a medical certificate and subject also to the exception stated in paragraph four, an employee who is absent owing to sickness, accident or disablement not arising from or attributable to his/her misconduct shall be entitled to payment for such absence as follows:—

U	UPON COMPLETION OF:		PAYMENT FOR UP TO:		
6	months'	continuous			
	service		6 da	ays in any year	
1	year's	ditto	12	ditto	
2	year's	ditto	18	ditto	
3	year's	ditto	24	ditto	
4	year's	ditto	30	ditto	
5	year's	ditto	36	ditto	

The rate being not less than the appropriate minimum remuneration prescribed by the agreement, less whichever is applicable of the deductions stated in paragraph two or paragraph three. Provided that no such deductions shall be made in computing payment for the first three days of such absence in any year.

2. For any days of absence (not being days to which paragraph three applies) the deduction from the minimum rate of remuneration shall be at the following weekly rate:—

For a single person aged 18 years, 38s. 6d. For a married woman supported by hcr husband, 46s.

In any other case, 67s. 6d.

3. For any days of incapacity for work due to personal injury in respect of which an employee is entitled to injury benefit under the National Insurance (Industrial Injuries) Act, 1946, the deduction from the minimum rate of remuneration shall be at the following weekly rate:—

For a person aged under 17 years, 57s. 6d For a person aged 17 but under 18 years, 86s 3d.

For a person aged 18 years or more, 115s
4. The foregoing provisions of this clause shall not entitle an employee to any payment during absence arising out of an accident for which damages are awarded at common law, or of an accident arising out of or in the course of following another occupation under a contract of service with another employer.

5. For the purpose of this clause: "The minimum rate of remuneration" shall mean "the normal weekly wage payable to the employee"

able to the employee."
"Day" means weekday, and the daily rate of sickness pay shall be one-sixth of the weekly rate

of the weekly rate.
"Year" means a period of twelve months starting January 1 of any year.

N.H.S. STATISTICS

In London during October 1963, 1,355,433 prescriptions (933,196 forms) were dispensed at a total cost of £552,686 of which ingredients amounted to £446,785 and dispensing fees £96,783. Average total cost per prescription 97.86d.

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor. Notes on the products are given on p. 348.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

pulv. pro mist ACTAL

MANUACTURER: Bayer Products Co., Winthrop House, Surbiton-

upon-Thames, Surrey.

DESCRIPTION: White powder, Each 10 mils of the reconstituted mixture contains 720 mgm. of sodium polyhydroxyaluminium monocarbonate hexitol complex (equivalent to two Actal tablets). An antacid stated to be unable to cause alkalosis, acid rebound or over-inhibition of peptic activity, because it buffers stomach contents to pH 4.

INDICATIONS: Rapid relief of hyperacidity, dyspepsia and pain

due to peptic ulcer.

Dosage: One or two teaspoonfuls (5-10 mils) as required.

SHELF LIFE: Five years, provisionally.

How Supplied: In lever-lid tin containing 150 gm. of powder.

FIRST ISSUED: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

PHOLCOMED-FORTE linetus

Manufacturer: Medo-Chemicals, Ltd., 144 Fortess Road, London, N.W.5.

DESCRIPTION: Rcd syrup containing 15 mgm, of pholodine and 4 mgm. of papaverine hydrochloride in each 4-mil teaspoonful.

Cough sedative.

INDICATIONS: Relief of irritating and unproductive coughs.

Dosage: Adults: One teaspoonful three or four times a day. Storage: Should be stored in cool place.

How Supplied: In bottles of 100 mils and 1 litre.

SUPPLY RESTRICTIONS: P.I.

FIRST ISSUED: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

RIKOSPRAY BALSAM aerosol MANUFACTURER: Riker Laboratories, Loughborough, Leics.

Description: Pressurised aerosol canister containing 12.5 per cent. w/w of benzoin (equivalent to 9 per cent. w/w of dissolved benzoin solids), 2.5 per cent. w/w of prepared storax, together with solvent and inert propellent to 100 per cent. w/w.

Topical protective spray.

INDICATIONS: Conditions where tincture of benzoin is, or would be, applied topically, e.g.: under adhesive plaster dressings; in colostomy and ileostomy hygiene; in the prevention of bedsores and the treatment of pressure points and other ischæmic areas; in the treatment of cracked nipples and skin fissures.

CONTRAINDICATIONS: Should not be applied over obviously infec-

ted areas. Not for inhalation.

METHOD OF USE: The canister should be shaken, then the affected area sprayed sparingly, keeping the nozzle about 6-9 in. from the skin. Leave to dry for 1 minute before applying adhesive dressings.

Notes: When no dressing is to be used, the resin film will dry within five minutes, leaving no tackiness.

PRECAUTIONS: The canister should not be punctured, incinerated or exposed to heat, even when empty.

How Supplied: In aerosol canister of 150 gm.

FIRST ISSUED: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

STABILLIN V-K SULPHA tablets

MANUFACTURER: Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham.

DESCRIPTION: Tablets containing 125 mgm. of penicillin V (as potassium salt) and 0.5 gm. of sulphadimidine.

INDICATIONS: Infections due to penicillin sensitive or sulphon-

amide sensitive organisms. Dosage: Adults and children (over ten years): two tablets initially, followed by one to two tablets every four to six

hours, depending on severity of the condition.

How Supplied: In bottle of 100.

SUPPLY RESTRICTIONS: P.I, S.4B, Therapeutic Substances Act (Part II).

FIRST ISSUED: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

PAMOL SUPPS for babies

Manufacturer: Marshall's Pharmaceuticals, Ltd., 17 Henrietta Street, London, W.C.2.

DESCRIPTION: Suppositories, each containing 200 mgm. of paracetamol and 10 mgm. of phenobarbitone.

Analgesic, antipyretic, hypno-sedative.

INDICATIONS: Feverish states, pain, pre- and post-operative anal-

gesia, sleeplessness.

Dosage: Babies aged 1-4 months, half or one suppository; 4-2 years, one or two suppositories; 2-4 years, two to four suppositories; in any twenty-four hours.

STORAGE: Should be kept in cool place.

How Supplied: Individually wrapped in box of twelve suppositories.

SUPPLY RESTRICTIONS: P.1, S.1, S.4A.

FIRST ISSUED: November 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

NORLESTRIN tablets

Manufacturer: Parke, Davis & Co., Hounslow, Middlesex. DESCRIPTION: Tablets, each containing 2.5 mgm. of norethisterone acetate and 0.05 mgm. of ethinylæstradiol.

INDICATIONS: Control of conception by inhibition of ovulation; miscellaneous gynæcological disorders (see manufacturer's literature).

Dosage: Conception control: One tablet to be taken with a meal, or at bedtime, starting on the fifth day of the men-strual cycle and continuing until the twenty-fourth (counting the first day of bleeding as day 1). For other indications see manufacturer's literature.

PRECAUTIONS: Should not be administered during lactation or the post-partum period until menstruation has occurred naturally. Patients should be examined periodically during prolonged treatment, particularly those with abnormal liver function.

How Supplied: In dispenser of twenty for conception control and bottles of twenty and 100.

SIDE EFFECTS: Occasionally nausea during the first few cycles. SUPPLY RESTRICTIONS: P.I, S.4B. FIRST ISSUED: January 1964.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

NOXYFLEX

Manufacturer: Ed. Geistlich Sons, Ltd., Wolhusen, Switzerland. Distributor: Geistlich Sons, Ltd., 18 Melrose Avenue, Chester.

DESCRIPTION: Vials containing 2.5 gm. of methylhydroxymethylene thiourea (noxythiolin), as a water soluble powder. Antibacterial and antifungal substance.

INDICATIONS: As an instillation solution in bladder infections. (See manufacturer's literature.)

CONTRAINDICATIONS: Not suitable for ophthalmic use.

METHOD OF USE: Therapeutically: As a 2.5 per cent. instillation solution in sterile water. Two or three applications are usually sufficient to eradicate pathogens. Prophylactically: As a 1 per cent, solution used in sterile water,

SIDE EFFECTS: May cause pain on application in some patients. The addition of 0.25 per cent. of lignocaine is recommended. How Supplied: In pack of ten vials of 2.5 gm.

FIRST ISSUED: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

OVULEN tablets

Manufacturer: G. D. Searle & Co., Ltd., Lane End Road, High Wycombe, Bucks.

Description: Uncoated white pentagonal tablets. Each contains 1 mgm. of ethynodiol diacetate and 0.1 mgm. of mestranol. INDICATIONS: Oral contraception.

CONTRAINDICATIONS: Carcinoma of the breast.

METHOD OF Use: One tablet a day for twenty days, starting on the fifth day of the menstrual cycle and counting the first day of bleeding as day 1.

PRECAUTIONS: Should be prescribed with caution to patients

with hepatic disorders.

How Supplied: In wallet pack of twenty (with directions for use and dosage chart).

SUPPLY RESTRICTIONS: P.I, S.4B. FIRST ISSUED: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

DRENISON and DRENISON with neomycin lotions

MANUFACTURER: Eli Lilly & Co., Ltd., Basingstoke, Hants. Description: Drenison: Lotion containing 0.05 per cent. of

flurandrenolone in a bland oil in water emulsion. Drenison with neomycin: lotion containing 0.05 per cent. of flurandrenolone and 0.5 per cent. of neomycin sulphate in a bland oil in water emulsion.

INDICATIONS: Drenison: Symptomatic treatment of steroid dermatoses. Drenison with neomycin: Steroid responsive dermatoses complicated with infection.

CONTRAINDICATIONS: Should not be used in the presence of tuberculosis of the skin. Not for ophthalmic use.

METHOD OF USE: A small quantity of the lotion should be applied and rubbed gently into the affected area two or three times a day. Both lotions are suitable for use with occlusive dressings.

How Supplied: In plastic bottle of 15 mils.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

FIRST ISSUED: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

METRULEN-M tablets

MANUFACTURER: G. D. Searle & Co., Ltd., Lane End Road, High Wycombe, Bucks.

Description: Uncoated white, pentagonal tablets stamped "Searle" on one side. Each contains 1 mgm. of ethynodiol diacetate and 0.1 mgm. of mestranol. Progestational steroid.

INDICATIONS: Cyclic treatment of functional uterine bleeding and other menstrual disorders. Adjustment of the menses.

CONTRAINDICATIONS: Carcinoma of the breast.

Dosage: See manufacturer's literature.

PRECAUTIONS: Should be prescribed with caution in patients with hepatic disorders. Successful control of uterine bleeding does not rule out an organic lesion, or obviate the need for establishing a diagnosis.

How Supplied: In bottles of twenty, fifty and 250. Supply Restrictions: P.I, S.4B.

First Issued: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

METRULEN tablets

MANUFACTURER: G. D. Searle & Co., Ltd., Lane End Road, High Wycombe, Bucks.

DESCRIPTION: Uncoated white tablets stamped "Searle" on one side and embossed with a pentagon on the other. Each contains 2 mgm. of ethynodiol diacetate and 0.1 mgm. of mestranol.

Progestational steroid.

INDICATIONS: Endometriosis; threatened and recurrent abortion; infertility due to inadequate luteal phase; emergency treatment of functional bleeding.

CONTRAINDICATIONS: Carcinoma of the breast.

Dosage: See manufacturer's literature.

Precautions: Should be prescribed with caution in patients with hepatic disorders. Successful control of uterine bleeding does not rule out an organic lesion, nor obviate the need for establishing a diagnosis.

How Supplied: In bottles of twenty, fifty and 250.

SUPPLY RESTRICTIONS: P.I. S.4B. FIRST ISSUED: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

STABILLIN V-K SULPHA suspension MANUFACTURER: Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham.

DESCRIPTION: Ready-prepared suspension containing 60 mgm. of penicillin V (as potassium salt) and 0.5 gm. of sulphadimidine in each 5 mils.

INDICATIONS: Infections due to penicillin-sensitive or sulphon-

amide sensitive organisms.

Dosage: Adults and children (over ten years): 20 mils initially, followed by five to fifteen mils every four to six hours. Children (two to ten years): 10 mils initially, followed by 5 to 10 mils every four to six hours. Children (under two years): 5 mils initially, followed by 2.5 to 5 mils every four to six hours. Doses depend on severity of infection.

How Supplied: In bottle of 60 mils with plastic spoon.
Supply Restrictions: P.I, S.4B, Therapeutic Substances Act. FIRST ISSUED: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

CANTIL and CANTIL with phenobarbitone tablets

MANUFACTURER: M.C.P. Pure Drugs, Ltd., Alperton, Wembley, Middlesex.

DESCRIPTION: Cantil: Yellow, scored tablets, each containing 25 mgm. of mepenzolate bromide. Anticholinergic agent. Cantil with phenobarbitone: Brown, scored tablets, each containing 25 mgm, of mepenzolate bromide and 15 mgm. of phenobarbitone. Anticholinergic with sedative.

INDICATIONS: Ulcerative colitis; irritable colon; mucous colitis;

spastic colitis; diverticulosis and diverticulitis.

CONTRAINDICATIONS: Glaucoma; should be used with caution in prostatic hypertrophy.

Dosage: One to two tablets three times a day. In severe cases an additional dose may be given before retiring.

SIDE EFFECTS: Mild and transient blurring of vision is occasionally observed in patients with ulcerative colitis.

How Supplied: In bottle of fifty.

SUPPLY RESTRICTIONS: Cantil: None. Cantil with phenobarbitone: P.I, S.1, S.4A.

FIRST ISSUED: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

DACTIL and DACTIL with phenobarbitone tablets

MANUFACTURER: M.C.P. Pure Drugs, Ltd., Alperton, Wembley, Middlesex.

DESCRIPTION: Dactil: White, uncoated tablets, each containing 50 mgm. of piperidolate hydrochloride. Anticholinergic agent. Dactil with phenobarbitone: Pink, uncoated tablets, each containing 50 mgm, of piperidolate hydrochloride and 15 mgm. of phenobarbitone. Anticholinergic with sedative.

Indications: Gastro-duodenal spasm; biliary spasm; cardio-spasm; pylorospasm; regional ileitis (Crohn's disease); postgastrectomy syndrome.

CONTRAINDICATIONS: Glaucoma.

Dosage: Usually, one tablet four times a day.

How SUPPLIED: In bottle of fifty.

SUPPLY RESTRICTIONS: Dactil: None. Dactil with phenobarbitone: P.I, S.1, S.4A.

First Issued: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

THEO-ORGANIDIN elixir

Manufacturer: Denver Laboratories, Ltd., 12 Carlisle Road, London, N.W.9.

DESCRIPTION: Light straw-coloured liquid containing in each tablespoonful (15 mils) 120 mgm. of theophylline; 15 per cent. v/v of alcohol; and 30 mgm. of 2,3-(2-and 3-iodopropylidenedioxy) propanol (containing 15 mgm. of organically bound iodine).

INDICATIONS: Reduction of respiratory distress and mobilisation of tenacious mucus in bronchial asthma, bronchitis and emphysema.

CONTRAINDICATIONS: Sensitivity to iodides. If a skin rash appears, use should be discontinued.

Dosage: Adults: One to two tablespoonfuls three times a day. Children: One teaspoonful per 20 lb. of body weight (up to one tablespoonful) two or three times a day.

PRECAUTIONS: Theophylline may cause nausea and vomiting. The product is, therefore, best taken after meals.

STORAGE: Should be protected from light. Shelf life, three years. How Supplied: In bottle of 225 mils.

FIRST ISSUED: December 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 4, 1964

TRENTADIL tablets

Manufacturer: Armour Pharmaceutical Co., Ltd., Hampden Park, Eastbourne, Sussex.

DESCRIPTION: Yellow, sugar-coated tablets. Each contains 300

mgm. of bamifylline hydrochloride. INDICATIONS: Cardio-respiratory insufficiencies: cardiac asthma;

chronic cor pulmonale; dyspnæa; pulmonary stasis. Respiratory insufficiencies: acute or chronic hypoventilation; acute bronchitis; acute bronchiectasis; acute bronchial stasis; emphysema, bronchial asthma.

Dosage: One tablet three times a day or as directed by the

physician.

How Supplied: In bottle of twenty. SUPPLY RESTRICTIONS: Hospital use only.

First Issued: November 1963.

Statutory Committee

A COMPANY DISQUALIFIED FOR SIX MONTHS

AN unusually high number of cases were brought before the Statutory Committee on March 5-6. A company was disqualified from being an authorised seller of poisons for a period of six months, and a pharmacist's name was removed from the Register. In other cases the committee reserved its decision. MR. A. C. CASTLE (solicitor) appeared to place the facts before the Committee in each case.

Three Offences

W. A. Bell (Chemists), Ltd., 2 Granada Road, Southsea, Hants, were before the Committee after having been convicted at the Portsmouth magistrates' court on October 17, 1963, of three offences under the Pharmacy and Poisons Act, 1933 (sale of (a) compound codeine tablets; and (b) meclozine hydrochloride (in Sea Legs) not by or under the supervision of a registered pharmacist; sale of Sea Legs in a container not labelled in the pre-scribed manner). The company had been fined a total of £25 and ordered to pay £7 7s. costs. Mrs. K. M. Henderson (managing director) appeared before the Committee accompanied by Mr. F. R. N. H. Massey (counsel) in-structed by Goodman & Kent, Portsmouth.

MR. CASTLE said that the sales took place on a Sunday morning at 11.15 a.m., and when an inspector of the Pharmaceutical Society said to Mrs. Henderson that in his opinion the company had committed offences, she claimed that Shops Act exemptions for Sunday trading in seaside resorts entitled her, in the summer time, to sell preparations of that kind, and that she had a right to open the business.

CHAIRMAN: She because she was entitled to have the shop open on Sunday, and that that abrogated the Pharmacy and Poisons Acts?—Mr. Castle: Yes, even though the pharmacist was not present.

Mr. Castle pointed out that the general question of qualified supervision had been fully explained by the Society's inspector to Mrs. Henderson on at least two, if not more, previous occa-MRS. HENDERSON in evidence sions. before the Committee said that labels did not adhere properly to the Sealegs packets and had fallen off into the display container. The pharmacist should have been present when the sales were made but he was late because he was ill. The pharmacy was on a rota to open one Sunday in six, but had been opened each Sunday morning at 11.30 a.m. THE CHAIRMAN asked if the pharmacist came in every Sunday and was told "Every Sunday." When cross-examined by Mr. Castle, Mrs. Henderson said she intended to carry on the business, as in the past, "on a seven-day basis" Winter and Summer. Only one pharmacist was

working for the company.

MR. CASTLE: So the intention is.
therefore, that the poor man should
work seven days a week?—"He is quite prepared to work seven days a week,

but is not working the full seven days. On the Sunday morning in the Winter we are open from 11.30 to 1." Mrs. Henderson said she had considered the provisions of the Shops Act in so far as time off for the pharmacist was con-

MR. CASTLE: "He will work at least six days a week?"—"Oh yes, Mondays to Saturdays." "Monday till Saturday night?"—"Yes." And on Sundays?"—"Yes."

Had Mrs. Henderson considered the company's position under the Shops Act? "No, that has not come into it. What do you mean?" "You know well, do you not, that the managing director or owner of this type of retail business cannot make the staff work excessive hours?"—"I did not think I was." "Mr. X should know that, should he not?"

THE CHAIRMAN: "There do not seem

to be a lot of hours left.'

THE CHAIRMAN announced that the Committee found the three convictions proved. In September 1962 the company had been convicted of two similar offences, and a warning had been sent from the Committee, and it appeared that the Society's inspectors had warned the company of the need to comply with the Pharmacy Acts. The Committee had gone carefully into the matter and were profoundly dissatisfied with the way the pharmacy had been carried on. They did not accept that there was an intention to comply with the Acts. They had been told that a registered pharmacist was employed and were now being told that he was expected to work seven days a week, whenever the pharmacy was open, and that no other registered pharmacist was to be employed. In all the circumstances the Committee felt it their duty to make a direction that the company should cease to be an authorised seller of poisons and should be disqualified from being such a seller for a period of six months.

The next case concerned a pharmacist who had been convicted at Bolton, Lancs, magistrates' court on October 10, 1963, of having illegally sold codeine phosphate (in Codis tablets) in a container not labelled with the name of the seller and the address of the premises on which it was sold. pharmacist had been fined £10 and ordered to pay £5 5s. costs. At the Statutory Committee meeting the pharmacist was accompanied by Mr. Rodney Bax (counsel) instructed by Lamartine, Yates & Lacey (solicitors). Mr. Castle said that an inspector had visited the pharmacist's premises and asked for some Codis tablets. The young lady assistant had disappeared for a moment and then returned to hand the inspector some of the foilwrapped tablets in a paper bag that bore no name and address of the seller. The Society had prosecuted; the pharmacist had pleaded guilty, been fined £10 and ordered to pay £5 5s. costs.

Mr. Bax said the facts were not in dispute. At the time in question the pharmacist had run out of stock of Codis tablets except in the form in which they were supplied for dispensing National Health prescriptions. The pharmacist was in the dispensary at the back of the shop. The girl assistant came in, went to the shelf, took up twenty Codis tablets and held them up. The pharmacist had nodded, knowing that she had taken them into the shop to sell them and had overlooked that they were not labelled. It was pure inadvertence and should not have happened, but that was how it did. Mr. Bax thought one reason the pharmacist had been brought before the Committee was that he on a previous occasion received a warning from the Society after having been fined for a more serious matter (a sale of Metatone not under supervision). He had been quite properly fined because he was the owner of the business, but the offence had occurred at a branch run by a manager who had failed to supervise the sale of the article. After hearing further evidence and two testimonials the Committee retired to consider the case. They found the conviction proved. The infringement of the Pharmacy Acts rendered the pharmacist liable to have his name removed from the Register and the Committee had to bear in mind that he had been warned in 1957 "about this sort of thing." THE CHAIRMAN said "The Committee do not propose to direct that your name be removed from the Register, but they do admonstrate the committee of the committee ish you, and I am afraid they have to do it publicly, of the necessity of observing these provisions of the Pharmacy Acts, however troublesome or difficult it may be in practice.

The Committee proceeded to consider the case of Mr. John Turnbull. 120 Drip Road, Stirling, who had, at the sheriff court, Stirling, on July 16, 1963, been fined a total of £100 with an alternative of six months' imprisonment, after pleading not guilty to having sold to three persons, without prescriptions, tablets containing dexamphetamine sulphate in containers not labelled in the prescribed manner. Mr. Turnbull appeared before the Committee accompanied by Mr. Rodney Bax (counsel) instructed by Lamartine, Yates and Lacey, solicitors.

Sold to Three People

MR. A. C. CASTLE explained that 12-24 tablets a fortnight were alleged to have been sold to William Brisbane and to Arline Brisbane during the period between April 1960 to December 1962, and to Dora Coutts 24-36 tablets on six occasions during the period January to November 1962. An appeal by Mr. Turnbull against the sheriff court finding had been dismissed. Two tablets identical in size, shape and colour were shown to the Committee by Mr. Bax. One contained dexamphetamine, the other, which he said were known as "energy pills," caffeine,

sucrose and ascorbic acid. The tablets came from the same supplier and it was apparent that Mr. Turnbull had not been careful in supervising the dispensing. An analysis had been made of the last lot of pills that were supplied and upon that evidence the sheriff had deduced that all the previous tablets contained dexamphetamine. THE CHAIRMAN asked if Mr. Bax was suggesting that, over a period between April 1960 and December 1962, Mrs. Brisbane had been "content in ninetynine cases out of 100 to get the wrong sort of pills." Mr. Bax could only say that all that had ever been asked for was "energy pills." In many cases an advocate would come before the Committee and say "My client deliberately did wrong, is sorry and will never do it again. I am not in that position here because my client says, 'I never intentionally or deliberately did wrong, save that I was negligent in my supervision. What happened I do not know but I never deliberately made the sale. I have been convicted of the sale. The conviction stands. I know this should not have happened. This is all I can

say'. During cross-examination Mr. TURN-BULL told the Committee that the pharmacy was staffed by two girls and himself. He could not account for the fact that possibly on one occasion Dexedrine tablets had been supplied instead of caffeine tablets. If it had been brought to his notice at the time he might have been able to find out how it happened but is was six weeks afterwards before he heard anything and he assumed that somebody had used the wrong box. He did not know any of the people concerned, and suggested that the requests for energy tablets had been made to his assistants. The instructions were that if anybody asked for "energy pills" they were to get the caffeine ones and that was all they were to get. When MR. CASTLE suggested that it was a coincidence that Mrs. Brisbane, "having become a sort of addict," had been able to get "stuff which satisfied her" unless it was the genuine article. Mr. Turnbull: "Of course, it was brought out at the trial that Mrs. Brisbane nearly all the time was under the influence of alcohol, which would explain an awful lot of Mr. Castle agreed that she things." was a confirmed alcoholic. Mr. BAX emphasised that it was a case of careless dispensing, and that Mr. Turnbull had consistently denied intentionally committing any offences, and quoted from four testimonials provided by local general practioners.

Removed From Register

THE CHAIRMAN announced that the Committee had found the convictions proved and of a nature rendering the pharmacist liable to have his name removed from the Register. He pointed out that none of the tablets had been labelled in any way; there was no address, no quantity, no indication of their nature or content. "In short, none of the requirements of Section 18 of the Act were complied with. The legislature, in order to protect the public, forbade the sale of Fourth Schedule poisons without the prescription of a

doctor, and the duty of the pharmacist was to carry out the intentions of Parliament in that respect. Ordinarily the Committee felt it to be its duty, in protection of the public, to remove from the Register the name of any pharmacist who deliberately disregarded that duty. It had been suggested on Mr. Turnbull's behalf that there was a doubt whether the offences had been committed deliberatly. Members of the Committee were unable to accept that there was any such doubt. "Accordingly our direction is that your name be removed from the Register."

Another case considered by the Committee involved a pharmacist who had pleaded guilty and, at Stanley, Co. Durham, magistrates' court on November 21, 1963, been fined £40, ordered to pay £100 by way of restitution, and £8 8s. costs, for feloniously stealing from his employers, property valued at about £150. The pharmacist was present but was not represented by counsel or solicitor.

Purchased Wines and Spirits

Mr. Castle said that, between January and March 1963, the pharmacist had been employed by a Co-operative Society and during that time had purchased a considerable quantity of wines and spirits and other goods. The goods were alleged to have been put into stock and then taken out either use for the pharmacist's own purposes or to dispose of to friends and acquaintances." A police officer gave evidence A police officer gave evidence before the Committee of statements made by the pharmacist that he had purchased spirits and beer for his personal use. He paid for about £25 worth of it over the period. The remainder he had kept but not paid for. After the police officer had withdrawn, the pharmacist was told he had the opportunity to make his defence, and he said "My solicitor and I at the time of the case divided up into three sort of sections the £150 in question in which the goods in question were disputed. One part was that actually sold to members of the staff; the second to a pharmacy branch (but with no documentary proof of the transaction): the third part goods I had taken myself and only partly paid for. On the advice of my solicitor I ple ded guilty to the total of £150, though in I had not stolen goods worth £150. I asked for things I had obtained while working at the branch to be taken into account, as I had intended to pay for them at a future date. Before I was convicted I did not made an offer to the Society to repay the money for those goods. I did not intend to act criminally but acted rather foolishly and irresponsibly. That is all I have to say." Later the pharmacist said that he had been asked to take stock during the last week in December 1963 or second week in January 1964 and had replied it was impossible because of the pressure of business in dispensing duties at the time. In that he had been backed up by his superintendent pharmacist. The next thing he knew was that independent stocktakers had been called in to earry out the stocktaking. He had left on quite good terms with the management.

He was repaying at the rate of £2 a week the £100 by way of restitution as ordered by the magistrates.

THE CHAIRMAN said the conviction, which had been proved, was of a kind rendering the pharmacist liable to have his name removed from the Register. He had obtained employment by virtue of his qualifications and amongst other duties owed that of behaving honourably and honestly as a member of his profession. "You failed in that duty. As soon as you obtained a post of responsibility by virtue of your professional qualifications you began behaving dishonestly. The Committee are in grave doubt what their decision should be, but in all the circumstances have decided to postpone their decision for twelve months." The decision then was likely to be considerably influenced by whether the compensation that had been paid or not. The pharmacist must also produce at least two certificates of his good behaviour in the meantime, one from a practising member of the Society, and must keep the Secretary of the Committee informed of any change of address.

Two Cases

Before giving their decision in the next two cases the Committee decided to hear all the evidence concerning each of the two pharmacists involved. They had been separately convicted at Romford magistrates' court of receiving stolen property and had each been fined a total of £100. Giving the Committee's decision THE CHAIRMAN said that a vanman employed by a wholesaler had "offered quantities of drugs cheap," an offer that indicated the drugs had been stolen. "You both were endeavouring to run small pharmaceutical businesses which were in financial difficulties . . . The convictions have been proved, and the Committee are unanimous that for a pharmacist to come here convicted of dishonesty in the circumstances I have indicated places him in the gravest jeopardy of having his name removed from the Register. It is not merely a case of receiving, it is a case of defrauding your own suppliers." In considerable doubt whether they were doing right, the Committee was pre-pared in both cases to suspend decision for twelve months. The Committee wished him to add, said THE CHAIRMAN, that the case was not to be regarded as a precedent for the proposition that the criminal offence of receiving stolen goods was one that could ordinarily be dealt with otherwisc than by removal from the Register. Before the Committee ultimately gave its decision, each of the two pharmacists must appear again before the Committee, and each must produce at least two references, one at least from a member of the Society.

Another pharmacist brought before the Committee had pleaded guilty at the London quarter sessions on September 23, 1963, to four offences of making false entries in a till roll belonging to his employers. He had been sentenced to fines totalling £60 or one month's imprisonment. MR. CASTLE said that a company that had been employed as investigators by the

owners of the business and that the pharmacist had received certain sums over ten shillings, ringing up only the excess over that amount. That had happened on four occasions, making the sum in the till £2 more than the till roll showed.

The pharmacist, who was sixty-six years of age, explained to the Committee that he had had little experience of retail management until "March or April 1962." He had then joined the company, which had "a very intricate cashing up method" over which he constantly in difficulties. actually put money in myself to keep my accounts straight, because I was so often, as an old man doing management for the first time, going to my employers with excuses why my accounts were not right." Later the pharmacist had said that the till shortages were due to the defalcations of a girl assistant, who had been convicted and fined for them. He himself, he declared, had not stolen any money though he admitted falsifying accounts because the till roll is an account.

THE CHAIRMAN said the Committee was bound to take a grave view of any offence by a professional man involving dishonesty of any kind. Members of the Committee had listened with great care to all that had been said, and in the circumstances felt justified in postponing decision for twelve months on condition that, at the end of that period, the pharmacist appeared before the Committee again bringing at least two references, one from a practising pharmacist able to speak to the member's conduct during the twelve months. . . Usually, provided the references were satisfactory, the Committee felt able after the probationary period, to take no further action.

No Qualified Supervision

The Committee next considered a case in which a limited company had been fined £20 and ordered to pay £13 13s. costs on charges of selling Gee's linctus pastilles and Alophen pills not under the supervision of a registered pharmacist, and in containers not labelled in the prescribed manner. From the facts leading to the convictions it appeared that a registered pharmacist who was also a member of the company's board of directors, might have been guilty of such misconduct as would render him unfit to be on the Register. It also appeared that he had failed in his duty as a director and superintendent of the company and might have been guilty of misconduct rendering him unfit to be on the Register. The pharmacist, who was present, was represented by Mr. Rodney Bax, instructed by Lamartine Yates & Lacey. MR. BAX recalled that the case had been adjourned from a previous meeting because the company had not given him sufficient instructions to enable him to proceed. He apologised on the company's behalf for the inconvenience caused by the absence of the manager in Nigeria at the time. Mr. CASTLE said the case arose because one of the Society's inspectors had reason to believe that at certain times of the day the company's pharmacy was not being conducted under the supervision and

control of a registered pharmaceutical chemist. After the items referred to had been sold to him he had asked if a pharmacist was in, and he was told that the pharmacist was not expected for another half-an-hour. The superintendent pharmacist told the Committee he was not aware that the pharmacist had been delayed. When he was informed he made arrangements to ensure qualified supervision. After hearing the evidence the chairman told the pharmacist that the evidence fell short of proving such misconduct as would in the Committee's opinion render him unfit to have his name on the Register. "But we remind you that it is your duty as a pharmacist not to continue in employment as a superintendent pharmacist unless you are satisfied that the conditions provided by your employers enable you to discharge your professional responsibilities under the Pharmacy Acts. Subject to that reminder you are in effect acquitted." The Committee found the four convictions against the company proved and were

disturbed at the way the business was being conducted. The conviction was the third in ten years on which the company had been convicted under the Pharmacy Acts. The Committee were not satisfied that the owner or owners (not themselves pharmacists) were taking their responsibilities under the Acts "in the way in which they should be taken." They proposed to postpone their decision subject to the conditions that the company should provide reasonable facilities to the Society's inspector over the next twelve months to check and report on the way the business was being conducted, and that the superintendent pharmacist over the next twelve months should, if required, submit a report to the Committee about the way the business has been conducted and the assistance he had received from the company in conducting it in respects touching upon fulfilment of the requirements of the Acts. The superintendent pharmacist must also be prepared to attend, if required, for questioning by the Committee.

NOTES ON NEW MEDICAMENTS

CANTIL.—Chemistry: 1-methyl-3-piperidyl-benzilate mcthobromide also known as mepcnzolate bromide. The compound is a synthetic anticholinergic drug the spasmolytic effects of which are stated to be confined mainly to the lower gastro-intestinal tract. The typical side-effects of anticholinergic drugs, such as dryness of the mouth and blurring of vision are claimed to be uncommon with mepenzolate. Other synthetic anticholinergic drugs, of which a wide range is available, include pipenzolate methobromide (Piptal), poldine (Nacton), propantheline (Probanthine), tricyclamol (Elorine, Lergine), oxyphenonium (Antrenyl) and piperidolate (Dactil).

DACTIL. - Chemistry: 1-ethyl-3-piperidyl-diphenylacetate hydrochloride. The base has the Approved Name piperidolate. The compound is a synthetic anticholinergic drug with the general pharmacological properties of the group, associated with some local anæsthetic properties. It is claimed to be almost completely free from side-effects, and with a specific effect on the upper gastro-intestinal system. Here the local anæsthetic properties are an advantage, as the spasmolytic effects are enhanced by a suppression of local reflex spasm, Mepenzolate (Cantil) is a related drug with a complementary action on the lower intestinal tract, Other synthetic anticholinergic drugs are represented by hyoscine N-butyl bromide (Buscopan), oxyphencyclimine (Daricon), dicyclomine (Merbentyl, Wyovin), methscopolamine (Pamine), glycopyrronium (Robinal), adiphenine (Trasentin)

and isopropamide (Tyrimide).

NORLESTRIN. — Constituents: Norethisteronc acetate and ethinylæstradiol. Norethisterone is a potent synthetic progestogen of, and in common with certain other non-steroid hormones, it has the power of inhibiting ovulation, Such steroids are not only of value in some gynæcological conditions, but also have applications in the control of conception, Norethisterone is active when given orally, and its effects are augmented by small doses of æstrogens. Such additional treatment decreases the incidence of breakthrough bleeding during progestogen therapy, and permits a smaller dose of the drug to be given without loss of therapeutic effect. In Norlestrin, ethinylæstradiol is used as the æstrogen, and that drug, together with norethisterone acetate, is also present in Anovlar. Related products, formulated on a similar pharmacological basis, include Enavid, Con-ovid, Conovid E and Previson (norethynodrel with mestranol), Orthonovin (norethisterone and mestranol), Lyndiol (lynoestrenol and mestranol) and Volidan (megestrol acetate with ethinylestradiol).

NOXYFLEX.—Chemistry: N-hydroxymethyl-N¹methylthiourea, Both urea and thiourea have mildly antiseptic properties, but in that new derivative (which is also known as noxytiolin), those properties have been enhanced, and the drug is effective against a wide range of bacteria and fungi. Organisms that have become resistant to other drugs remain sensitive to noxytiolin, and the drug appears to have wide applications in the prophylaxis and treatment of bladder infections, The related compound polynoxylin (Anaflex) is less soluble and is used mainly for topical application.

RIKOSPRAY BALSAM. — Constituents: Benzoin, styrax and propellants. The antiseptic and protective properties of friar's balsam are well known but the product is now less popular, possibly because by present standards it is messy to apply and the result frequently lacks visual appeal. Rikospray balsam is an interesting attempt to exploit the value of benzoin and styrax as a protective dressing by exhibiting the resins in an aerosol form. Such a presentation removes one of the major disadvantages of applications of friar's balsam and permits easy and controllable use.

NEW COMPANIES

P.C .= Private Company. R.O .= Registered Office.

A. P. BENNETT, LTD. (P.C.). — Capital £5,000. To carry on the business of chemists, etc. Directors: Arthur P. Bennett, M.P.S., and Norman M. Bennett, M.P.S. R.O.; 58 Thornhill Road, Streetly, Sutton Coldfield.

S. & M. E. COLLETT, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, etc. Directors: Sam Collett, F.P.S., and Margaret E. Collett, F.P.S. R.O.: The Pharmacy. Hall Street, Long Melford, Suffolk.

macy, Hall Street, Long Melford, Suffolk.

J. T. DE PEARE, LTD. (P.C.). Capital £5,000. To carry on the business of chemists, etc. Directors: John G. Iles, M.P.S., and Betty F. Iles, R.O.: 14 Highbury Park, London, N.5.

TILE HILL PHARMACY (1964), LTD. (P.C.).

—Capital £40,000, To carry on the business of chemists and druggists, etc. Directors: John Innes-Chayton, M.P.S., and George F. Paisley, M.P.S. R.O.: 53 Waisgrave Road, Coventry.

D. J. TOMLINSON, LTD. (P.C.).—Capital

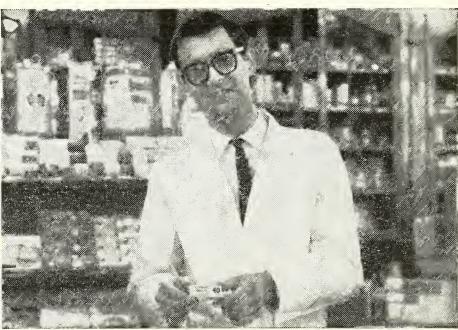
D. J. TOMLINSON, LTD. (P.C.).—Capital £5,000. To carry on the business of chemists, etc. Directors: Audrey Tomlinson, Thomas N. Litherland, M.P.S., and Edward G. Wilcock. R.O.: 68 Queen Street, Sheffield, 1.

L. F. TOMLINSON (CHEMIST), LTD. (P.C.).—Capital £100, Subscribers: Stanley H. Lucas and Francis A, Dean, R.O.: 6 Surrey Street, London, W.C.2.

TRENDS COSMETICS, LTD. (P.C.).—Capital £100. Directors: Judith J. Marks and Barbara G. Share, R.O.: 46 Park Square East, Leeds. 1.

SERVING THE DIABETIC





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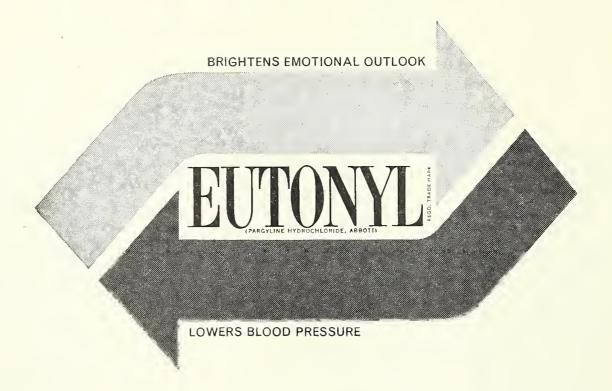
B. W. & Co. developed and were the first company to use crystalline insulin in manufacture. Into every batch of 'Wellcome' Insulin goes an experience stretching back to the earliest days of insulin treatment.

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A major new antihypertensive agent from Abbott



Eutonyl* is an important new drug for the treatment of moderate to severe essential hypertension. Most hypertensive patients respond to Eutonyl therapy with a reduction of both systolic and diastolic blood pressures in the standing position, and many also experience significant reductions in other positions.

Many hypertensive patients have been impressed by an improved sense of well-being; and while the use of Eutonyl in the treatment of depression is still being evaluated, in this respect alone it offers a useful advance over other antihypertensive agents.

Eutonyl is a unique non-hydrazine chemical substance with monoamine oxidase inhibiting properties. Extensive laboratory and clinical studies indicate that it is free from serious toxicities, though suitable precautions should be observed as with all new drugs. The side effects of Eutonyl therapy are relatively infrequent and mild if dosage is adjusted to prevent orthostatic hypotension. The combination of a thiazide diuretic such as Enduron* (methyclothiazide, Abbott) with a reduced dosage of Eutonyl further reduces side effects and also enhances the antihypertensive response in the sitting and lying positions.

Eutonyl is supplied in two strengths as Eutonyl (25 mg pargyline hydrochloride) and Eutonyl-Tcn (10 mg pargyline hydrochloride) Filmtabs*, in bottles of 100.

Comprehensive literature is available on all aspects of this important new agent: dosage, side effects, precautions and the wide measure of agreement on its clinical efficacy even in the most difficult cases.

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TRADE REPORT

The prices given are those obtained by importers, or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

London, April 1: Little business has been transacted in any of the markets since our last report, the Easter holidays having taken up a large

part of the intervening period.

However, the issue of the Import Duties (General) (No. 3) Order, 1964 (S.I. 402), which became effective as from April 1 has removed the import duty on a list of some thirty-three BOTANICALS. This has had the effect of lowering the spot values of a number of important items, among them PERU and COPAIBA BALSAMS. Other CRUDE DRUGS exempted are:

Caraway seeds; boldo leaves; burdock root; calumba root; colchicum corms and seeds; condurango bark; dandelion root; deer tongue leaves; gelsem root; horebound; passion flower; pichi tops; rhaponticum rhubarb; sabadilla seeds; sassafras bark; saw palmetto berries; scullcap; serpentaria root; stillingia root; stone root; white pine bark; yerba santa leaves; cubé (Lonchocarpus nicou) bark and root (also known as barbasco); ammoniacum, asafoetida, galbanum, myrrh, olibanum, and opoponax gums;

and liquorice extract.

The supply position of IPECACUANHA is better and prices have eased for Colombian and Costa Rican material. On the other hand a number of crude drugs remain scarce with holders asking higher prices; they include Belladonna Herb (up threepence per lb.) and Gentian (up about 10s. per cwt.). Brazilian Menthol moved up at origin to 21s. 6d., c.i.f., per lb. (up sixpence) and while the London market also rose in sympathy, it was still below the replacement value.

Brazilian Peppermint oil was dearer by threepence per lb. on the spot and by 4½d. for shipment. Lemongrass was also dearer in the forward position by

three-halfpence per lb.

QUININE SALTS are firm and are expected to rise shortly as a result of the continuing difficulty manufacturers are experiencing in getting CINCHONA BARK from the Congo and Indonesia. Competition from imported material was reported to be having a depressing effect on home-produced PHENOBARBITONE.

Pharmaceutical Chemicals

ACETANILIDE. — Crystals, one-cwt. lots, 2s. 10d. per lb.; 5-cwt., 2s. 9d.

Adrenaline. — (Per gm.). Synthetic B.P. 1-kilo lots, 11d.; 500 gm., is 1s. 1d. ACID TARTRATE, B.P., 1 kilo, 7½d.; 500 gm., 9d.

ALOIN. — Micro-crystalline, 14-lb. lots, 34s. per lb.

ANTIMONY SALTS.—CHLORIDE SOL., B.P.C., 1934, carboys, 5s. 7d. per kilo.

BACITRACIN. — Sterile topical is 53s. per mega unit for 25 m.u.

BARIUM SULPHATE. — B.P. 50-kilo lots, 3s. 9½d, per kilo.

BORAX.—B.P. grade, 1 ton and upwards: Granular, £54 10s.; crystals, £58; powder, £59; extra fine powder, £60 per ton, all in hessian sacks. Less £1 for paper bags. Commercial from £44 10s. to £51 per ton as to type and packing. Anhydrous borax is £60 per ton in hessian bags or £59 in paper bags; carriage paid in Great Britain. Surcharges for small quantities: Less than 1 ton but not less than 10 cwt., 2s. per cwt.; 5 to 9 cwt., 4s.; 1 to 4 cwt., 8s.

Boric ACID.—B.P. grade in 1 ton and upwards (per ton): Granular, £84; crystals, £97: powder, £90 10s.; extra-fine powder, £92 10s. per ton in lined hessian bags, carriage paid in Great Britain. Less £1 per ton if supplied in paper bags. Technical from £70 to £80 10s. per ton according to type and packing.

GLYCEROPHOSPHATES. — Per kilo in 50-kilo lots: Calcium, B.P.C., 28s. 2d.; IRON, B.P.C., 33s. 7d.; Magnesium, B.P.C., 35s. 5d.; Manganese, N.F.X., 49s. 7d.; Potassium, 50 per cent., B.P.C., 8s. 6d.; sodium, 50 per cent., B.P.C., 5s. 11d. and powder, B.P.C. 1949, 18s. 8d.; GLYCEROPHOSPHORIC ACID, 20 per cenr., 10s. 8d.

GLYCYRRHETINIC ACID.—Per oz., 50s.

HOMATROPINE. — 16-oz. lots (per oz.): ALKALOID, 30s. 6d.; HYDROBROMIDE, 24s. 6d.; HYDROCHLORIDE, 28s. 6d.; METHYLBROMIDE, 25s. 6d. 1-oz. rates are 1s. 6d. per oz. above those rates.

HYDROCYANIC ACID.—Dilute B.P.C. 1954, from 4s. to 4s. 7d. per litre. as to quantity: Scheeles from 4s. 9d. to 5s. 4d.

HYDROQUINONE.—One-cwt. lots, 10s. per lb., 1-ton, 8s. 6d.

HYOSCINE HYDROBROMIDE.—-Per oz. 102s. and per kilo, 3,419s.

HYPOPHOSPHITES .- Per kilo: -

Quantity	1 kilo	12.5 kilos	50 kilos
CALCIUM, B.P.C IRON, B.P.C, MAGNESIUM MANGANESE, B.P.C. POTASSIUM, B.P.C. SODIUM, B.P.C,	34 10 29 3 35 3 23 1	s. d. 16 1 33 7 28 2 33 11 22 5 18 1	s. d. 15 1 32 5 27 2 32 9 21 4 17 1

IRON SALTS.—GLUCONATE, B.P.C., 4s, 9d. per lb. in 1-cwt. lots; SULPHATE, B.P., crystals, 1-cwt. 70s. per cwt.; 5-cwt. 65s. per cwt.; granular, 2s. 6d. per cwt. extra. Phosphate, B.P.C., 28-lb., 4s. 5d. per lb.: 1-cwt., 4s. 2d. Oxide ped precipitated, B.P.C., 1949, 1-cwt., 2s. 1d. per lb.; Carbonate, Saccharated, B.P.C., 1949, 28-lb., 3s. 3d.; 1-cwt., 3s.—ammonium citrate, 250-kilos, 8s. 6d., kilo.—Quinine citrate, 2s. 4d. per oz. in 100-oz. tin.

ISOPRENALINE SULPHATE. — One-kilo lots, 530s. per kilo; 5-kilos, 510s. per kilo.

KAOLIN. — Light, 60s. per cwt.; 1-ton, 57s. per cwt.

Lactates. — Calcium, B.P., 2s. 3d. per lb. in 5-cwt. lots and 2s. 4d. in 1-cwt. lots; Calcium sodium, 4s. 9d. and 4s. 10d.

LACTOSE. — B.P. in 1-ton lots packed in 1-cwt, paper-lined sacks, £129 10s, per ton, delivered in the United Kingdom,

LEAD ACETATE.—B.P. crystals, 4s. 5d. per kilo.

MERCURY DERIVATIVES.—Rates (per kilo) for under 50-kilo lots—AMMONIATED MERCURY, B.P., powder, 72s.; PERCHLORIDE, B.P.C., powder, 59s.; SUBCHLORIDE (calomel), B.P.C., 6°s. 6d.; OXIDES, yellow, B.P.. 72s. 6d.; red B.P.C., 1949, 61s. 3d.; IODIDE, B.P.C. 1954 (25-kilo lots) 61s. 3d. per kilo; OXYCYANIDE (10 kilos), 119s. per kilo.

METHYL SALICYLATE. — Five-ton lots, 3s. 2d. per lb.; 1-ton, 3s. 2½d.; 10-cwt., 3s. 3d.; 5-cwt., 3s. 6d.; 1-cwt., 3s. 8d.

Paracetamol. → One-ton lots, 10s. 2d. per lb.

Paraffins. — Prices to wholesale distributors per gall.—Liquid: Heavy, B.P., in drums, 8s. 8½d. to 8s. 9½d. as to quantity: over 500 gall. in bulk, 8s. $7\frac{1}{2}$ d. Light, B.P., drums, 7s. $1\frac{1}{2}$ d. to 7s. $2\frac{1}{2}$ d.; bu'k, 7s. $0\frac{1}{2}$ d. Technical white: LIGHT, 6s. 6d.

to 6s, 7d, and 6s, 3d, in bulk; MEDIUM, 7s, 7d, to 7s, 8d., bulk, 7s, 4½d. Drums charged and returnable. Soft: Best grades White, medium consistency, £116 15s, per ton and soft consistency, £113 7s, 6d. Yellow, £94 10s. Other grades (all B.P.) at £95, £100 10s., £106 per ton for white and at £74 17s, 6d, for yellow. All in non-returnable drums delivered.

Pyrogallic acid. — One-cwt. pure crystals, 24s. 6d. per lb.; resublimed 26s. 6d.

SACCHARIN.—B.P. powder 1 lb. and over 15s. 6d. per lb. Sodium salt, B.P., 14s.

Salicylamide. — One-cwt., 6s. 3d. per lb., 5-cwt., 5s. 11d.

SALOL.—B.P.C., 9s. per lb. (1-cwt. lots). SAL PRUNELLA. — Balls, 3s. 9d. per lb. in 1-cwt. lots.

Talc. — One-ton lots, B.P.c. in kegs, 1s. 2d. per lb.

TEREBENE. — B.P.C., one-carboy lots, 4s. 5d, per lb.

THIOUREA.—Technical grade, 1-cwt, lots 3s. 1½d. per lb.; 10 cwt., 2s. 9½d. per lb. ZINC CARBONATE.—One-cwt. lots, 2s. 0½d. per lb.; 1-ton, 1s. 9d.

ZINC CHLORIDE. — B.P.C. 1954. cake, 14s. 8d. per kilo: sticks, 17s. 3d. Technical, 2s. 3d. per kilo.

Z_{1NC} OXIDE.—Two-ton lots, B.P. grade are now £121 per ton, 1 ton, £122.

ZINC PEROXIDE. — One-cwt. lots of B.P. 5s. 3d. per lb.

ZINC SULPHATE.—B.P., 50 kilos, 3s. $6\frac{1}{2}d$. per kilo.

Industrial Chemicals, Solvents

ACFTALDEHYDE. — The 100 per cent, is £122 per ton minimum 1-ton lots.

ACETATES. — Per ton, spot in drums: AMYL, technical, £254 and B.S.S., £256. BUTYL, £136; ETHYL, £113; ISOBUTYL (80 per cent.), £111 and pure, £115; ISOPRO-PYL, £110; METHYL, 80 per cent., £142.

ACETIC ANHYDRIDE. — 12-ton lots £103 per ton; $2\frac{1}{2}$ -ton, £107, tanker deliveries.

ACETONE. — One-ton lots spot, £66 per ton in drums.

CARBON TETRACHLORIDE. — In 40-9all. drums, 1 ton and under 2 tons, £83 15s.; 4 tons and upwards, £82 5s.

ISOPROPYL ALCOHOL, — Technical grade (99 per cent.) in tank car lots from 4s, 6d. to 4s, 8d. per gall.; anhydrous in drums, 7s. 1d. to 7s. $4\frac{1}{2}$ d. per gall.; in bulk, 6s. 11d. to 7s. 1d.

METHYL ETHYL KETONE. — One-ton lots, £111 10s. per ton.

NAPHTHALENE. — Contract rates for phthalic grade are from £25 per ton in bulk, ex works; lower crystallising whizzed grades from £20 to £25 per ton ex works; ball and flake, £71.

N-BUTYL ALCOHOL. — One-ton lots in drums, £131 10s. per ton and one-drum lots, £138 10s. per ton.

PHTHALATES. — Prices (per ton) one-ton lots in drums: DIBUTYL, £167; D1-180-BUTYL, £162; D1-ETHYL, £174; D1-METHYL, £163.

PHTHALIC ANHYDRIDE.—Domestic material quoted at £90 per ton.

Soda ASH.—Four-ton lots, 232s. 6d. per ton delivered.

STEARATES. — Spot prices for minimum 1-ton lots. — Aluminium (all grades), 253s. 6d. per cwt. Calcium (precipitated), 243s. 6d. Lead (30 per cent.), 223s. 6d.; Magnesium (standard), 272s, and (superfine), 302s.; Zinc, 226s. to 286s. as to grade

Crude Drugs

ACONITE. - Spot. Spanish napellus, 2s. 8d. per lb.

AGAR. — Kobé No. 1, 12s. per lb. in bond; March-April shipment 11s. 9d., c.i.f. Spanish, 15s. duty paid.

ALOES. — Primes, 250s. per cwt. spot. Extra primes 245s., c.i.f. for shipment. Curação, spot, 290s.

ANISE. — Chinese STAR, 165s. per cwt. spot, duty paid; f.a.g. for shipment, 115s.,

Arrowroot.—St. Vincent from 1s. 3d. to 1s. 6d., as to grade.

BALSAMS. — Per lb.: CANADA: Spot 19s. 6d. to 23s. 6d. COPAIBA: B.P.C. grade 8s. 6d. PERU: Spot, 8s. 3d. TOLU: B.P., from 10s. 6d. to 30s.

BELLADONNA. — HERB, 3s. 9d. per lb. ROOT, 1s. 7d. per lb.

BENZOIN. — Sumatra block spot from £22 to £40 per cwt. as to quality.

Buchu. — Spot value, 4s. 9d. per lb.; new crop for shipment, 4s., c.i.f.

CAMPHOR. — B.P. powder spot, 6s. in bond; shipment, 5s. $7\frac{1}{2}$ d. per lb., c.i.f. Synthetic, 4s. 6d., spot.

CARDAMOMS.—Aleppy greens, 9s. 3d. to 9s. 10d. spot; shipment best grade, 10s. 8d., c.i.f. Seeds, spot, 12s. 9d.; shipment, 12s. 3d., c.i.f.

CASCARA. — Spot, 245s. per lb.; shipment, 232s. 6d., c,i.f.

Cassia.—Fistula, 105s. per cwt. landed: lignea (whole), for prompt shipment, 190s., c.i.f.; selected broken, 180s., c.i.f.

CHAMOMILE.—" Roman" type, 14s. per lb.; German, 7s.

CHERRY BARK. -Thin natural, 2s. per lb.; shipment, 1s. 11d., c.i.f.

CHILLIES. — Zanzibar, nominally 225s. per cwt. spot; shipment, 210s., c.i.f. Mombasa spot, 175s.; shipment, 160s., c.i.f.

CINNAMON. — QUILLS, Ceylon (per lb., c.i.f.): 4 O's, 7s. 11\(\frac{1}{4}\)d.; single O, 7s. 3\(\frac{1}{4}\)d.; quillings, 4s. 8\(\frac{1}{4}\)d. BARK, Seychelles, 90s. cwt. spot.

CLOVES. — Zanzibar spot, 2s. 11d. per lb. standard grade; shipment, 2s. 7d., c.i.f.

COCHINEAL.—Canary Isle silver-grey 20s. per lb. nominal. Peruvian silver-grey 15s. per lb., spot.

COCILLANA.—Bark 1s. 8d. per lb. on the spot.

COLOCYNTH PULP. — For shipment, 3s. 4d. per lb., c.i.f. May-June

Digitalis.—Purpurea leaves, 2s. 6d. per

ELEMI. - Spot, 1s. 11d. per lb.; shipment, not offering.

Ergot. — Portuguese, 8s. 3d. per lb. spot and 8s., c.i.f.

GENTIAN. — French or Spanish root scarce at 185s. to 190s. per cwt. spot; no shipment offers.

GINGER.—(Per cwt.) African, spot, 270s. per cwt.; new crop offers withdrawn but 255s. asked by resellers, Jamaican No. 3 spot, 770s.; new crop, April–May, 660s., c.i.f. Cochin, new crop for April–May shipment quoted at 320s., c.i.f.

GUM ACACIA.—Kordofan cleaned sorts, 165s. per cwt. spot: March-April shipment, 153s., c.i.f.

HENNA. - Indian, for shipment, 65s., c.i.f.

HONEY. — (Per cwt.) Australian light amber, 157s, 6d. to 160s, and medium amber, 155s, to 157s, 6d. Argentine, 160s, to 165s.; Canadian, 187s, 6d, to 192s, 6d.; Mexican, 155s, to 160s., all ex warehouse.

IPECACUANHA.—Møtto Grosso for shipment, 68s. per lb., c.i.f., and spot, 70s. Spot Colombian, 73s. 6d. (69s., c.i.f.); Costa Rican, 94s., c.i.f., 97s. 6d., spot.

Karaya. — No. 1 gum, spot, 400s.; No. 2, 315s. per cwt.

KOLA NUTS. — African, 6d. spot and $5\frac{1}{2}$ d., c.i.f. (per lb.).

Lanolin. — Anhydrous B.P. is from $8\frac{1}{2}d$, to 1s, $10\frac{1}{2}d$, per lb. in 1-ton lots delivered free drums.

LEMON PEEL.-Spot, 1s. 6d. to 2s. 3d. per lb. according to quality. No shipment offers of new crop.

LINSEED. — Whole, 72s. 6d. per cwt.; crushed, 110s.

LIQUORICE. — Natural root: Russian 65s. per cwt.; Anatolian, 60s.; Anatolian decorticated, 170s. Block juice: Anatolian, 210s. per cwt.; Italian stick from 400s. to 475s. per cwt.

LOBELIA. — Herb, 8s. per lb., spot; Dutch, 4s. 6d. to 5s. 6d.

MACE.—Whole, pale blade, 14s. 6d. per lb. on the spot. Shipment, 14s. per lb.

MALEFERN.-Root for shipment quoted at 75s. per cwt., c.i.f.

MENTHOL.—Chinese: spot, 27s. 9d. per lb., duty paid; March shipment, 26s. 6d., c.i.f. Brazilian, 21s. to 22s., in bond and shipment, 20s. 9d. to 21s. 6d., c.i.f., as to grade.

MERCURY.-–Spot ex warehouse £87 per flask of 76 lb.

NUTMEGS. — West Indian spot, 80's, 9s. 3d. per lb. nominal; defectives, 6s. 9d. East Indian for shipment: 80's 8s. 4½d. per lb.; 110's 8s. 3d.; b.w.p., 5s. 4d., all c.i.f.

Nux vomica.—Cochin, 75s. per cwt. on the spot; shipment, 47s. 6d., c.i.f.

Orange peel. — Spot: Sweet ribbon, 1s. 8d. per lb., bitter quarters: West Indian, 10½d.; Spanish, 1s. 6d.

PAPAIN.—E. African for shipment, 35s...

PEPPER.—White Sarawak spot, 3s. 2d. to 3s. 3½d. per lb.; shipment, 3s. 2d., c.i.f. Black Sarawak spot, 2s. 7d.; shipment, 2s. 5½d., c.i.f. Black Malabar, 340s. per cwt. spot nominal; shipment, 295s., c.i.f.

PIMENTO. — Spot quoted at 686s, per cwt.; shipment, 580s., f.o.b.

Pyrethrum. — Extracts — partially dewaxed, 25 per cent. pyrethrins, 69s. to 65s, 6d. per lb.; pale 82s. 6d. to 79s.; crude oleoresin, 60s. 6d.

RHUBARB.—Chinese spot, small parcel of 80 per cent, pinky, 15s. 6d. per lb. landed.

SAFFRON. — Mancha superior, 260s. per lb., spot.

Ib., spot.

SEEDS. — (Per cwt.) Anise.—Spanish, 235s., duty paid. Caraway. — Dutch, 167s. 6d., spot. Celery.—Indian, 145s., spot; shipment, current crop, 137s. 6d., c.i.f.; new crop for June–July, 135s., c.i.f. Coriander. — Moroccan, 57s. 6d., duty paid; shipment prompt, 45s., c.i.f.; new crop for June–July now quoted at 45s., c.i.f. Rumanian splits for March—April shipment offered at 45s., c.i.f. Cumin.—Iranian, 220s.; Moroccan, 210s., both duty paid; shipment Moroccan 185s., c.i.f. Dill.—Indian, 90s., spot sellers; shipment, 82s., 6d., c.i.f. Fennel.—Indian nominally 250s., spot; shipment, 135s., c.i.f. Chinese afloat quoted at 107s. 6d., c.i.f. Fenugree.—Moroccan, 48s. 6d., duty paid; shipment, 37s. 6d., c.i.f. Mustard.—English, 45s. to 70s., according to quality.

Senega.—Washed and f.a.q., 20s. 6d. per

SENEGA.—Washed and f.a.g., 20s. 6d. per lb., spot.

SLIPPERY ELM BARK.—To arrive shortly, 3s. 4d. per lb.

SQUILL.—Italian nominal; Indian 90s.

STRAMONIUM.—Continental LEAVES 85s. per cwt. spot.

STYRAX. — Spot, 19s. per lb.; shipment, 18s., c.i.f.

TRAGACANTH.—No. 1 ribbon about £190 per cwt. No. 2, £180, spot.

WITCH HAZEL LEAVES .- Spot quotations are 2s. 6d. per lb.

Essential and Expressed Oils

BAY. — West Indian about 25s. per 1b. on the spot.

CADE.—Spanish, 2s. 9d. per lb. for drum lots.

Cananga.—Spot, 28s. per lb.

CARDAMOM.—Indian from 225s. per lb.,

Cassia.—Spot, 35s. per lb.

CEDARWOOD, — Rectified 6s, per lb, on the spot.

CHAMOMILE.—Small lots 640s, per lb.

CHENOPODIUM.—About 40s. per 1b. in original containers.

CITRONELLA. — Ceylon spot, 11s.; shipment, 10s. 6d. per lb., c.i.f. Formosan, 5s. 7½d. in bond; April–May shipment, 5s. 1½d., c.i.f.; Chinese, 5s. 7½d., in bond, 5s. $1\frac{1}{2}$ d., c.i.f.

COD-LIVER. — B.P. in 45 gall, drum is 11s. 6d. per gall, including 30s, deposit on drum. Veterinary is from 9s. 6d. per gall. 25-stone lots. Delivered terms.

CUBEB.—Spot supplies of imported are 85s, per lb.

Cumin.—English distilled oil, 130s. per lb.; imported, 90s.

DILL.—Imported, 31s. per lb., spot.

GRAPEFRUIT.—Spot offers from 18s. per

JUNIPER. — B.P.C. 1949 oil is from 15s. 6d. per lb. JUNIPER WOOD, from 5s. LAVANDIN.—From 20s. to 27s. per lb. as to quality.

LAVENDER.—Spot, 25s. to 35s. per lb. as to quality.

LEMONGRASS.—Spot, 11s. per lb.; shipment, 8s. 10½d., c.i.f.

Orange.—Floridan sweet oil, 7s. per lb. West Indian, 10s.; Spanish, 15s. to 17s. 6d.

PATCHOULI.—Penang is 22s., duty paid and 18s., c.i.f., per lb.

PEPPERMINT. — Arvensis: Chinese spot, 7s. 6d.; shipment, 7s. 2d., c.i.f. Brazilian spot, 7s.; shipment, 6s. 10½d., c.i.f. Piperita: Italian, 48s. to 70s., spot. American from 32s. 6d. per lb. as to make.

PIMENTO. — English-distilled berry from 150s, per lb. Rectified leaf, 19s. 6d. per

PINE. — Pumilionis, 30s. per 1b.; sylvestris, 9s.; abietis, 15s. to 24s.

ROSEMARY.—Spanish from 10s. 6d., per lb. spot, 11s. forward.

Rue.—Spanish is 23s. 6d. per lb., spot. Sandalwood. — Mysore, 106s. 6d. per lb., spot. East Indian for shipment, 102s., c.i.f.

SPEARMINT.—American oil on the spot, 26s. per lb.

TANGERINE.—Sicilian best quality about 37s. per 1b.

THYME.—From 20s. per lb. as to test. Vetivert.—Bourbon spot, 85s. to 105s. per lb.; shipment, 95s., c.i.f.

YLANG YLANG. — Best oil quoted about 145s. per lb.

UNITED STATES REPORT

NEW YORK, MARCH 31: Brazilian MENTHOL dropped another five cents to \$3.25 per lb. BRUCINE is firmer. with the ALKALOID now \$3.25 an oz. and the SULPHATE \$3, each up 25 cents. CASCARA dipped three cents to 29 cents per lb. PERU BALSAM moved up five cents to \$1·10 per lb. EUCALYPTOL is 10 cents lower at \$1.50 per lb. Ceylon CITRONELLA OIL rose 15 cents to \$1.70 per lb. Lower per lb. among ESSENTIAL OILS were Dalmatian SAGE at \$4 (down 50 cents); Formosan CITRONELLA at 90 cents (10 cents); and Florida ORANGE at 55 cents (five cents).

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COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, April 6

CHEMICAL SOCIETY, University chemistry department, Edgbaston, Birmingham, 15. Anniversary meetings, Symposia. Until April 9,

FINE CHEMICALS GROUP and NOTTINGHAM SEC-TION, SOCIETY OF CHEMICAL INDUSTRY, BOOTS Pure Drug Co., Ltd., Nottingham. Joint meeting: "Chemotherapy of Tropical Diseases."

GUILDFORD BRANCH, PHARMACEUTICAL SOCIETY, Corona café, High Street, Guildford, at 7.30 p.m. Annual meeting, Followed by showing of Pharmaceutical Society's slides on Poisonous Fungi." " British

HENDON AND EDGWARE BRANCH, PHARMACEUTICAL SOCIETY, Hendon Hall hotel, London, N.W.4. at 8 p.m. Mr. G. Lever, M.Phys.A., L.P.M.E., "History and Theory of Acupuncture" followed by annual general meeting.

LEICESTER and LEICESTERSHIRE BRANCH, NATIONAL PHARMACEUTICAL UNION, Midland hotel, Princess Road, Leicester, at 7.30 p.m. Annual meeting. Mr. C. Jacobs (a member of Executive) on "What Use is the N.P.U.?"

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Iceture hall, Freedom Fields hospital, Plymouth,

TOCKPORT BRANCH, PHARMACEUTICAL SOCIETY, Civie Hall, Hazel Grove, Stockport, at 8 p.m. Mr. T. E. Apted, Colour film show: "Beautiful Britain." STOCKPORT

Tuesday, April 7

Bradford Branch, National Pharmaceutical Union, Midland hotel, Bradford, at 7.45 p.m. Annual meeting, Delegates' reports on the Pharmaceutical Committee representatives' con-

BRIGHTON AND HOVE ASSOCIATION OF PHARMACY (conjoint meeting with British Medical Association local division), Dudley hotel, Hove, at 8.30 p.m. Dr. F. E. Camps on "Criminal Abortion." Preceded by informal dinner at 7.15 p.m. Ticket 20s.

CAMBRIDGE AND HUNTINGDON BRANCH, PHARMACEU-TICAL SOCIETY, Owen Webb House, Conville

COMMERCIAL

Place, Cambridge, at 8 p.m. Mr. C. C. Stevens

on "The Pharmacist and Common Law."

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, London Hospital, Whitechapel Road. London, E.1, at 8 p.m. Extension course. Dr. M. H. Salaman (director, department of cancer research, London Hospital Medical College) on "Recent Trends in Cancer Re-

NEWCASTLE AND NORTHUMBERLAND BRANCH. Phiarmaceutical Society, No. 3 lecture theatre, University of Newcastle, at 7.30 p.m. First of three lectures by Dr. N. Wynne (refresher course).

WALLASEY PHARMACISTS' ASSOCIATION, blue room, Royal Ferry hotel, Wallascy, at 8 p.m. Annual

WORCESTERSHIRE AND HEREFORDSHIRE BRANCH. NATIONAL PHARMACEUTICAL UNION, Star hotel, Worccster, at 8 p.m., Delegates' reports on N.P.U. Branch representatives' conference,

Wednesday, April 8

BRITISH DIETETIC ASSOCIATION, Queen Elizabeth Collège, Campden Hill Road, London, W.8. Conference, Until April 11.

CHESTERFIELD BRANCH, PHARMACEUTICAL SOCIETY Station hotel, Chesterfield, at 8 p.m. Mr. M. Jackson (a member of Council) on "Current Pharmaceutical Politics."

DONCASTER BRANCH, PHARMACFUTICAL SOCIETY, Opera House, Manchester. (Coach leaving from Doncaster at 4 p.m.) Performance of "My Fair Lady."

EUROPEAN PURCHASING CONFERENCE, County Hall, Westminster, London, S.W.1, Until April 11.
SWANSEA AND WEST GLAMORGAN BRANCH, PHARMACFITICAL SOCIETY, Dragon hotel, Swansea, at 7.45 p.m. Dr. A. H. Beckett (head, Chelsea School of Pharmacy) on "From Witch-doctor to Modern Drug.'

TUNBRIDGE WELLS BRANCH, PHARMACEUTICAL SO-CIETY, Queen Victoria hospital, East Grin-stead. Sussex, at 3.15 p.m. Mr. A, G, M. Madge on "Pharmacy—Looking Ahead," At 5.30 p.m., tape-recorded lecture on "British

TELEVISION

Poisonous Fungi," Films (including "Resuscitation by Mouth to Mouth "),

WESTERN PHARMACISTS' ASSOCIATION, Great Western Royal hotel, Paddington station, London, W.2, at 7.15 p.m, Dr. R. R. Trail on "The Society of Apothecaries."

Thursday, April 9

AYRSHIRE BRANCH, PHARMACEUTICAL Auchencoyle hotel, Prestwick, at 7.30 p.m. Annual meeting, followed by a talk by Mr. K. Holland (a member of Council).

HESTER BRANCH, PHARMACEUTICAL SOCIETY,

CHESTER BRANCH, PHARMACEUTICAL SOCIETY, Blossoms hotel, Chester, at 8 p.m. Annual meeting.

DURHAM COUNTY BRANCH, PHARMACFUTICAL SO-CIETY, Three Tuns hotel, New Elvet, Durham City, at 8 p.m. Annual meeting.

GLASGOW AND WEST OF SCOTLAND BRANCH, PHAR-MACEUTICAL SOCIETY, Students' Union, Royal College of Science and Technology, John Street, Glasgow, C.1, at 7.45 p.m, Annual meeting.

HOUNSIOW BRANCH, PHARMACEUTICAL SOCIETY, Sun hotel, Hanworth Road, Hounslow, at 8 p.m. Annual meeting.

NATIONAL PHARMACEUTICAL UNION, Beale's restaurant, Holloway Road, London, N.7, at 3 p.m, Staff training conference,

PROPRIETARY ARTICLES TRADE ASSOCIATION, Connaught Rooms, Great Queen Street, London, W.C.2, at 3 p.m. Annual meeting.

REIGATE AND REDHILL BRANCH, PHARMACLUTICAL SOCIETY, CIBA Laboratories, Ltd., Horsham. Sussex, at 7,30 p.m. Dr. J. Carman on "Medical Experiences on the High Seas."

SOUTHAMPTON BRANCH, PHARMACFUTICAL SOCIETY,

University of Southampton, at 7.45 p.m. Dr. K. R. Capper (director, Department of Pharmaceutical Sciences) on "Current Therapy—a Review of the Antibiotics and Corticosteroids " (refresher course).

SOUTH SHIELDS BRANCH, NATIONAL PHARMACEUTI-CAL UNION and SOUTH SHIELDS PHARMACISTS' Association, Royal hotel, South Shields, at 8 p.m. Joint annual meetings. Followed by reports of N.P.U. conference representatives.

Friday, April 10

BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY, South Western hotel, Bournemouth, at 7.30 p.m. "Any Questions?" (Panel; Messrs. D. Lewis, E. Hunt and H. Ridehalgh.)

EXETER BRANCH, PHARMACEUTICAL SOCIETY, Royal Clarence hotel, Cathedral Close, Exeter, at 7.45 p.m. Annual meeting. Followed by the William R. Warner & Co., Ltd., film: "If I Had An Ulcer."

HERTFORD BRANCH, PHARMACEUTICAL SOCIETY, The Clock hotel, Welwyn, at 7.30 p.m. Dinner and dance.

Saturday, April 11

Swiss Industries Fair, Basle, Switzerland, Until

PRINT AND PUBLICITY

PRESS ADVERTISING

OPTREX, LTD., Wadsworth Road, Perivale, Mid-dlesex. Optrex eye lotion in "traveller" pack. In Daily Express and Daily Telegraph during holiday season.

SPANISH olive oil: In Good Housekeeping, Homes & Gardens, Housewife and Woman's Journal.

PUBLICATIONS Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc. directed to doctors but available to pharmacists.

CALMIC, LTD., Crewe, Ches: "Alusac—continuous antacid 'drip' therapy" (4-p. folder).

MOORE MEDICINAL PRODUCTS, LTD., Waverley

House, Aberdeen: Bydolax (card).

PHARMAX, LTD., Thames Road, Crayford, Dartford, Kent: "Peptacol . . . for the treatment of peptic ulcer and other spastic conditions of the gastro-intestinal tract and smooth muscle? (8-p. booklet).

LTD., Loughborough, RIKER LABORATORIES.

Leics: Rikospray balsam (card),
UNI-PHARMA, LTD., 229A Shaftesbury Avenue,
London, W.C.2: Unioptal (card),

W.& N.Wales Is. April 12-18 5 5 5 Alka-Seltzer 2 5 5 5 5 ... Anadin tablets Andrex ... 4 4 4 4 4 4 4 4 4 4 3 Anne French preparations 1 14 Askit powders and tablets _3 3 3 3 Beecham's powders ... 3 3 ... Bellair hair spray 1 5 2 5 3 Bisodol 1 _ 3 Bunty baby products • • • Cuticura preparations Delrosa rose-hip syrup Dinnefords magnesia ... 1 - 1 Ť - 1 Euthymol toothpaste ... - 1 Farlene baby cereal ... Flawless cream 2 2 2 2 2 2 Get Set hair spray ... Gillette razor blades 4 4 4 4 4 4 4 4 2 Granose rolls 3 ... Loxene shampoo Matey 2 2 2 Milk of Magnesia 2 _ 2 4 3 1 tablets Moorland tablets Phyllosan 3 2 2 Pond's cold cream ... • • • 2 2 Ť 4 8 Rennies • • • . . . 3 2 Rinstead pastilles 2 1 1 2 2 2 2 Setlers Swarfega hand cleanser Spoolie hair curlers ... -1 — 1 ... VO5 hair spray 2 1 1 1 1 2 3 conditioner 2 shampoo

Figures in these columns represent the number of appearances of the "spot" during the week.

WORLD TRADE

Ceylon Pharmaceutical Industry. -Manufacturers of pharmaceutical products in Ceylon have told the Government that unless they are given licences to import their raw material immediately they may have to close down their factories within four months. Licences for this year have not been granted to the manufacturers so far. while, one of the largest antibiotic manufacturers in Switzerland, Arco Laboratories, has sent a representative to Ceylon to discuss the setting up of a pharmaceutical factory there.

Sulphur Sales Up.—Tonnage sales of sulphur by [U.S.] Freeport Sulphur Co. rose 12 per cent. in 1963 to a record 2,500,000 tons, according to the company's annual report recently issued.
Total United States consumption
reached a peak of 6,800,000 tons (up 8 per cent.); shipments abroad were at more than 1,400,000 tons (up 5 per cent.). The rise was attributed to the opening of the Japanese and Italian markets, hitherto closed to United States imports, and the fact that the Soviet bloc changed from net exporter to net importer of sulphur.

Sandalwood Oil Units Modernised .--The Government of the State of Mysore is modernising its sandalwood oil plant at a cost of Rs.650,000. The two Stateowned sandalwood oil factories at Mysore and Shimoga are currently facing a petition from private operators because of severe competition from private operators outside the State. Sandalwood is being smuggled steadily to the neighbouring States and even to West Bengal. The oil is a good foreign exchange earner and oil worth nearly Rs.1 million is exported annually.

Incentives to Invest in India.—Tax incentives to attract private foreign investment in India were announced recently by the Indian Finance Minister in his budget speech. Main changes include (1) superprofits tax is replaced by surtax of 40 per cent. on profits in excess of 10 per cent. of employed capital. (Supertax was formerly 50 per cent. on profits above 6 per cent. of equity and reserves, rising to 60 per cent. for profits exceeding 10 per cent.) (2) The tax on intercorporate dividends is reduced to 25 per cent. in all cases instead of ranging from 25 to 50 per cent. (3) For companies in which the public are not substantially interested the basic rate of tax goes up from 50 to 60 per cent. However, after paying the higher tax, manufacturing companies will not be required to distribute profits by way of dividends, and non-manufacturing companies will be enabled to build up reserves for develop-ment needs. (4) Foreign companies operating in India through branches instead of subsidiaries will pay 65 instead of 63 per cent. tax on profits. (5) There will be no tax liability on profits made abroad by a company that has entered into purchase contracts in India through an agent or branch office for export. Other measures include allround cuts in personal taxation for both Indians and foreigners. The Minister also announced the setting up of a commission of inquiry into monopolics

and concentrations of economic power. Fiscal policies, he said, should encourage priority industries and better management, and weaken "devices such as managing and improvised selling agencies that perpetuate dynastic domination of private industry." (Many managing agencies in India are British owned.)

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," March 11

For medicinal and pharmaceutical preparations

and products (5) LISALBA, 857,681, by American Home Products Corporation, New York, 17, U.S.A. For pharmaceutical preparations and substances.

all for application by drops (5)
UNADROP, 855,039, by Smith, Miller & Patch, Ltd., London, E.C.1.

For pharmaceutical preparations and substances for the treatment of the common cold (5) MUCORYZA, 855,793, by Sterwin, A.G., Zug.

Switzerland.

For pharmaceutical products (5)

SURRECTAN, 856,379, by L'Equilibre Biologique (Association Technique Pharmaceutique et Equilibre Biologique Réunis), Amilly et Equilibre Biologique Réunis), Amilly (Loiret), France, VELEG, 857,865, by Zyma, S.A., Nyon, Switzerland.

For anæsthetics for application in aerosol form to the human throat during operations (5)
AEROSTHETIC, 856,543, by Gardner Pro-

ducts Co., Wallgate, Wigan.

For antiseptics and disinfectants, all for applica-tion in aerosol form to the throat (5)

DISTHROAT, B856,544, by Gardner Products Co., Wallgate, Wigan.

or pharmaceutical preparations (5) GLYMAZYL, 856,678, by Beecham Research Laboratories, Ltd., Brentford, Middlesex. disinfectants (5)

ZICOLAC, 856,753, by Hygiene Research Unit, Ltd., Croydon, Surrey.

For pharmaceutical and veterinary preparations (5) PASTULAM, PASLAM, 857,428-29, by Pfizer, Ltd., Sandwich, Kent.

For blankets, pads and overlays, all being electrically heated and all being quilted (10)

SLUMBERLAND THERMAQUILT, 845,416. by Slumberland Group, Ltd., Tyseley, Birmingham, 11.

For electric blankets (10)

MODERNA, B853,256, by Thomas Ratcliffe & Co., Ltd., Mytholmroyd, nr. Halifax, Yorks. For tooth-brushes for export from the United Kingdom (21)

DR. WEST'S, B839,368, by Chemway Corporation, Wayne, New Jersey, U.S.A.

For emery boards for manicure and pedicure purposes (21)

REVLON EMERYL, 843,007, by Revlon, Inc., New York, U.S.A.

From the "Trade Marks Journal," March 18 For chemical substances and chemical products, all for use in the manufacture of pharmaceutical and medicinal preparations (1)

CARNEGIES, 821,318, by Carnegies of Welwyn, Ltd., Welwyn Garden City, Herts,

For non-medicated toilet preparations impreg-nated into pape; tissues for cleansing purposes (3) COLGATE WASH 'N DRI, B826,275, by Col-

gate-Palmolive Co., New York, 22, U.S.A.
For persumes, cosmetics, non-medicated toilet preparations, soaps, detergents (not for use in industrial and manufacturing processes), and preparations for the hair and made-up kits (sold

complete) comprising such preparations (3)
ROLL 'N GO, 837,839, by Gillette Co., Boston, Massachusetts, U.S.A.

For perfumes, non-medicated tollet preparations, cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, shampoos, soaps and essential oils (3)

CHELL, B854,091, by North Midlands Co-ordinated Buying Group, Lenton, Nottingham.

For cosmetic powder boxes (3)
Device with words KIGU OF LONDON, 856,040, Kigu, Ltd., London, N.W.10.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED

From the "Official Journal (Patents)," March 25 Compositions containing N-propargyl benzylamines for inhibiting monoamine oxidase and treating hypertension. Abbott Laboratories. 955,849.

N-Polyhaloethylthio compounds and their use as fungicidal compositions. California Research Corporation, 955,946.

2-[1:1-diphenyl-propyl-(3)-amino]-3-phenyl-propanegluconate and process of preparing it. Farbwerke Hoechst, A.G. 955,989.

Phosphorus esters, their preparation and compositions containing them. Rhone-Poulenc, S.A. 956 047

Process for the production of sulphur trioxide. Farbenfabriken Bayer, A.G. 956,049.

Process for the production of dihydrocardenolide glycosides, Chemische Werke und Handelsges-sellschaft, 956,077.

Process for the manufacture of dicyclo-hexyla-

mine. Abbott Laboratories. 956,116.

1-substituted-3-pyrrolidylmethylamines and process for preparing same, Mead Johnson & Co. 956,253.

Tooth brushes. Lion Brush, K.K. and M. Kanai. 956,126.

Manufacture of hydrogen cyanide. E, I, du Pont de Nemours & Co. 956,200.

Derivatives of nitrofuran, Norwich Pharmacal Co. 956,231.

Method for the sealing of gelatin Organon Laboratories, Ltd. 956,300. gelatin capsules.

Halophenyl thiophosphates. Boehringer Ingelheim. G.m.b.H. 956,343.

Pharmaceutical composition for use as a contraceptive and process for making same, Sunnen

Foundation, 956,360.
Photographic pivoted blade shutter with flashsynchronisation device. Agfa, 955,857.

Photographic layers suitable for the silver dyestuff bleaching process, CIBA, Ltd. 955,892.

Benzimidazole derivatives, Gevaert Photo-Producten, N.V. 955,961.

Sensitising dyes and sensitising photographic emulsions. Gevaert Photo-Producten, N.V. 955,962. 5-chlorobenzimidazole derivatives, Gevaert Photo-Producten, N.V. 955,963.

Sensitised photographic emulsions and sensitising dyes. Gevaert Photo-Producten, N.V. 955,964.

Pyrazolidine colour couplers, Ilford, Ltd. 956,261. Photographic silver halide emulsions, Kodak, Ltd.

British patent specifications relating to the above will be obtainable (price 4s, 6d, each) from the Patent Office, 23 Southampton Buildings, Chanvery Lane, London, W.C.2, from April 22.

CONTEMPORARY THEMES

Subjects of contributions in current medical and technical periodicals

ANTIFOAMING AGENTS, Amer. J. hosp. Pharm., February.

MANNITOL THERAPY in oliguria of acute onset.

Brit, med. J., March 28.

IMIPRAMINE and "drinamyl" in depressive illness: a comparative trial, Brit, med, J,, March 28.

PANCREATIC ENZYMES, Simple test for, J. Amer. med. Ass., February 29.

SODIUM CHLORIDE. Taste of sodium chloride solutions after adaptation of sodium chloride: implications for the "water taste." Science, February 28.

KININASE activity of human saliva. Nature, March 21.

DRUGS. Mammalian blastopathies due to. Nature.

March 21.

Diagnostic procedures of chronic amoebiasis.

J. Amer. med. Ass., March 7.

HUMAN PLASMA treated with ultraviolet and propiolactone, J. Amer. med. Ass., March 7.

THE PSYCHOTOMIMETIC DRUGS, J. Amer. med.

Assn., March 7. VITAMIN K DERIVATIVE. Direct rôle of, in fibrin formation. Nature, March 28.

MELPHALAN. Inhibition of immune processes by.

Nature, March 28. BACTERIOSTASIS of staphylococcus aureus by a

volatile component of Scotch brand cellulose adhesive tape. *Nature*, March 28.



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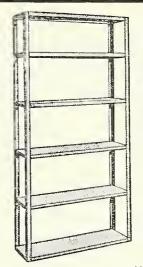
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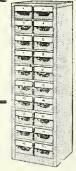
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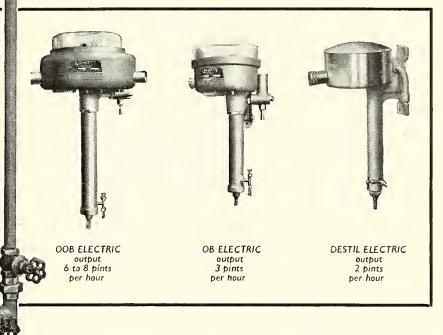
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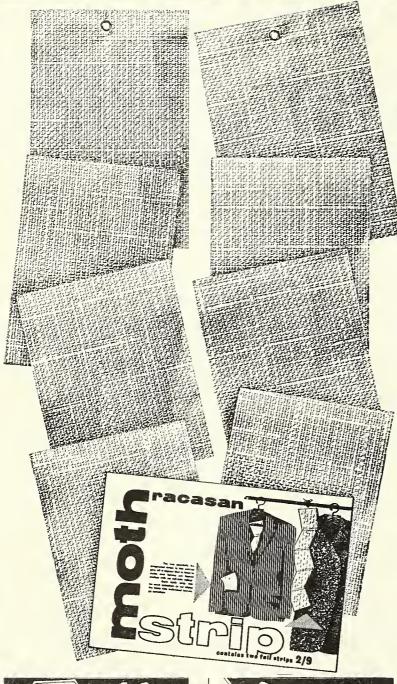
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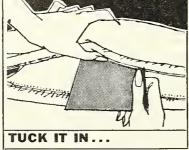
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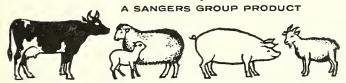
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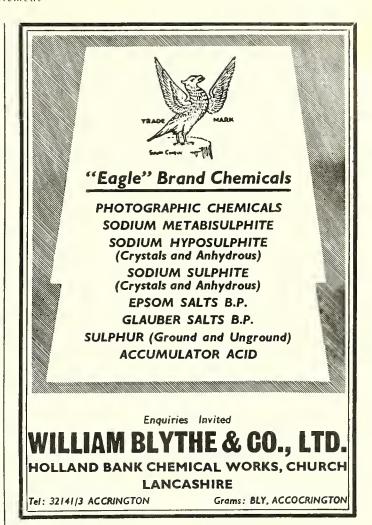
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CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE, MILDMAY MISSION HOSPITAL

Locum Pharmacist-in-Charge

required for holiday relief duties, 7th to 19th September, 1964. Salary £23 2s, p.w. Apply to Chief Pharmacist, Metropolitan Hospital, Kingsland Road, E.8. Tel.: CLI, 6862. C 662

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KING'S LYNN AREA HOSPITALS MANAGEMENT COMMITTEE, WEST NORFOLK & KING'S LYNN GENERAL HOSPITAL, KING'S LYNN, NORFOLK

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required immediately for indefinite period. Salary £19 19s, per week. Residential accommodation for a female applicant could be arranged.

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required at the above hospital. Modern department, Every third Saturday morning off, Previous hospital experience not essential. Salary £19 19s. per week, Applications to the Chief Pharmacist (Telephone STE, 4251).

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Senior Pharmacist

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C 8997

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required at the above hospital, Modern department giving good general experience. Every third Saturday morning off. Previous hospital experience not essential, Whitley Council conditions of service and salary. Applications in writing stating age, qualifications and experience and giving the names of two referees, to the Chief Pharmacist. C 9004

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C 9008

NETHERNE HOSPITAL, COULSDON, SURREY

Pharmacist or Dispensing Assistant

required. Pharmacist's salary £725 x £30 (2) x £35 (3) x £40 (2)—£970. Dispensing Assistant £453 x £21 x £20 x £26 (3) x £25—£597, both plus London Weighting allowance. Conditions of service as agreed by the Pharmaceutical Whitley Council. Temporary accommodation for single lady. Applications in writing with full particulars, together with the names of two referees to the Physician Superintendent.

C 8989 Superintendent.

ROYAL FREE HOSPITAL GROUP

Locum Pharmacist

required immediately for work in the Group. Applications with names of two referees should be addressed to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, London, W.C.1.

SOUTHMEAD HOSPITAL, BRISTOL (670 beds)

Pharmacist

required at Southmead Hospital. This post offers wide experience in modernised department, Applications stating age, qualifications and experience to be sent to the Group Secretary, Southmead Hospital, Bristol, Conditional Conditions and Conditions and Experimental Conditions and Experimental Conditions and Conditions and Conditions and Conditions are considered as a condition of the Conditions and Conditions are considered as a condition of the Condition of th forthwith.

Appointments—Continued

ST. ALBANS CITY HOSPITAL, NORMANDY ROAD, ST. ALBANS, HERTS (403 beds)

Senior Pharmacist
Applications are invited for the above post at this general hospital within casy reach of Central London.

Locum Tenens Pharmacist required immediately pending this appointment. Whitley Council salary and conditions of service, Applications stating age, qualifications and experience, together with the names of two referees, to the Chief Pharmacist.

C 652

ST. ALBANS CITY HOSPITAL, NORMANDY ROAD, ST. ALBANS, HERTS (403 beds)

Locum Tenens Pharmacist
required from beginning of May 1964, Parttime would be considered, Whitley Council
salary and conditions of service, Detailed
applications giving names of two referees to
the Hospital Secretary. C 659

ST. HELIER GROUP HOSPITAL

MANAGEMENT COMMITTEE
Applications are invited for the following new appointments: NELSON HOSPITAL,

NELSON HOSPITAL,
KINGSTON ROAD,
MERTON, S.W.20
Chief Pharmacist (Category II)
This appointment offers wide scope for a suitably qualified person with a keen appreciation of all requirements of a modern pharmacy pharmacy.

ST, HELIER HOSPITAL,
CARSHALTON, SURREY
Pharmacist
To be based at St. Helier Hospital (Category V) but also required to undertake duties at four small Units within the Group.
Applications for both posts, stating age, qualifications, experience and names and addresses of two referees, should be addressed to The Group Secretary, St. Helier Hospital Management Committee, Carshalton, Surrey.

C 8995

ST. JOHN'S & HITHER GREEN HOSPITAL

Pharmacist

required at once. Applications to Hospital Secretary, St. John's Hospital, Morden Hill, S.E.13. C 656

PUBLIC APPOINTMENTS

AYRSHIRE RIVER PURIFICATION BOARD

invite applications for the post of

RIVER INSPECTOR

to the Board, Duties will include advising the Board on technical questions arising out of the performance of the duties of a River Purification Authority, analysis of river waters, sewage and trade wastes, inspecting water courses, investigating causes of pollutions and dealing with applications for consents, etc. Applicants must be Corporate Members of Royal Institute of Chemistry and of Institute of Sewage Purification, Salary scale £1,425 to £1,785 per annum, with placing according to qualifications and experience. Post superannuable, Rented house provided. Car mileage allowance payable, Applications giving age, and full particulars of qualifications and experience, accompanied by names of three referces, should be lodged with the Clerk to the Board, County Buildings, Ayr, by 10th April. Canvassing disqualifies.

SITUATIONS VACANT WHOLESALE



MOORE MEDICINAL PRODUCTS LTD.

Experienced Pharmacist (preferably F.P.S.) required as Production Supervisor. Age preferred: 30-50.

Duties will include the administration and technical aspects of production, purchasing, packaging, despatch, and staff control. The successful applicant will be given every opportunity to contribute to the Company's expansion programme. Location is Aberdeen.

Good commencing salary, pension scheme and excellent prospects in small but expanding Company.

Apply in strict confidence with details of age, qualifications, and experience (preferably with photograph) to:

> General Manager, Moore Medicinal Products Limited, Waverley Place, ABERDEEN. (P.O. Box No. 78)

> > C 9017

♥ O364A

A young man or woman aged about 25 required as PERSONAL ASSISTANT to TECHNICAL DIRECTOR

of old-established firm of manufacturing and distributing wholesale chemists. A pharmaceutical background is essential. Knowledge of shorthand and typing an additional asset. Write giving details of past experience, present salary, etc., to Director, Box C 8999.

ST. JOHN'S & HITHER GREEN HOSPITAL

Locum Pharmacist required, £19 19s, Apply Hospital Secrtary, St. John's Hospital, Morden Hill, S.E.13, C 657

SITUATIONS VACANT RETAIL (HOME)

ASSISTANT PHARMACIST required, High-class dispensing and family business, F. L. Ormerod, M.P.S., 3 Ashley Road, Altrin-cham, Cheshire. C 5952

Situations Vacant—Continued

CHELTENHAM. MANAGER / MANAGER-ESS required for modern pharmaey, Excellent conditions of employment, Superannuation, sickness benefits, Minimum of interference. This year's holidays honoured, Present manager has been with us for 12 years. This pharmacy is already showing improved turnover after resiting and complete refiting, Present salary £1,350, Modern flat available, if required, Interview expenses paid. Apply: Alban Mullen, Superintendent Chemist, Gloucester Co-operative Pharmacies Ltd., Brunswick Road, Gloucester. C 5987

CHEMISTS COUNTER ASSISTANTS required for London, E.C.1 and N.1, Highest salary paid in exchange for loyalty. Apply in writing to The Managing Director, Kendale Chemists, 51 Exmouth Market, London, E.C.1.

GUILDFORD. Young lady assistant required with experience in dispensing for modern well-equipped pharmacy. This year's holiday arrangements honoured. Permanent position. Please apply with full details to G. Morgan, Ltd., 75 Woodbridge Road, Guildford. C 5979

LIVERPOOL PHARMACIST (male) required. Permanent position, State salary. Apply: Staff Manager, Metcalfe's, Curzon Buildings, Dovercliffe Road, Liverpool, 13. C 5985

NORTH FINCHLEY, N.12, Full or parttime assistant required immediately for modern pharmacy. Knowledge of cosmetics an advantage but not essential. Apply: Harold Olins, Chemist, 321 Ballards Lane, Finehley, London, N.12. Phone: HIL, 0255. C 5988

OXFORD. Branch manager required for a modern shop with free accommodation in one of the town's very pleasant residential areas. Permanent position, Commission and pension scheme, The manager will be expected to use his own initiative in the running and stocking of the branch. Please apply Box C 5914.

PHARMACIST MANAGERS, Managers are required for pharmacies throughout Great Britain. Salary is high with free accommodation, commission and pension schemes. Applicants will be required to use their own initiative in the running and stocking of the shops. Applications to Managing Director, John Kelsey Chemists Limited, 21 Lime Street, London, E.C.3. C 5922

SCOTLAND, S.E. Pharmacist, lady or gentleman, required to assist proprietor in dispensing; family, photographic and agricultural business. Applications, giving full particulars, to Mr. H. T. Thomas, 15 Squarc, Kelso.

C 5975

WHOLESALE

LABORATORY ASSISTANT required by West London house for experimental work in perfumery laboratory, Knowledge of chemistry essential. Five-day week. Write stating qualifications and salary required, to The Chief Chemist, Box C 5948.

PHARMACEUTICAL PRODUCTS LTD, of 44-48 Magdalen Street, Norwich, require sales manager. Good salary, car and commission. Write giving full particulars to M. H. Burn, M.P.S., at above address.

C 5982

SITUATIONS WANTED

BOURNEMOUTH district. Active, experienced, ex-proprietor/manager pharmacist, available for locum engagements early April 203 Queens Park Avenue, Bournemouth. onwards. Own transport, Write L. B. Mason, Telephone 37734.

SITUATIONS VACANT WHOLESALE



Boots Pure Drug Co. Ltd. requires medical representatives in the following territories:—

- 1. West Birmingham and Worcestershire
- 2. South Lancashire

A progressive career is offered to men of initiative in Medical Representation. Candidates will be selected from PHARMACISTS of 25 to 40 years of age. Previous experience in medical detailing or retail pharmacy would be an advantage, although comprehensive training will be given.

The salary will be subject to regular review, recognising ability and results. A Company car, expenses, bonus incentives, and other employee benefits are provided.

Candidates with the necessary qualifications should write, quoting ref. CD7, and giving full personal details, to the Personnel Manager, Boots Pure Drug Co. Ltd., Station Street, Nottingham.

C 9015

PRODUCTION MANAGER-PHARMACEUTICALS

Ortho

ORTHO invites applications from pharmacists with flair for management of production and packaging operations. This is a well-remunerated appointment with exceptional conditions and prospects. The successful applicant will understudy the responsible Board member.

Applications should be addressed the Managing Director,
Ortho Pharmaceutical Limited,
Saunderton, High Wycombe, Buckinghamshire.

C 9014

AGENTS

AGENTS TO WHOLESALE CHEMISTS wanted for new exclusive battery operated toilet appliances, Apply: J. Horden (W, & A.) Ltd., Doddington Road, Wellingborough, Northants. C 8992

A VACANCY EXISTS for a first-class agent to represent one of the most important manufacturers and importers of professional hairdressers' preparations in Northumberland, West Lancashire, Home Counties, East Anglia, Scotland and Central London, Applicants must be well introduced to the trade. This is an exceptional opportunity which carries great prestige, Please apply with full details to sales director, Box C 9011.

AGENTS required all areas South of and including London, Good commission, Write fully, Box C 5967.

AGENTS WANTED in all parts of the country to sell a few first-class chemists' counter lines, including two fast-selling Summer lines. State area covered and other agencies held, Box C 5984.

WELL ESTABLISHED importing and distributing company in the Republic of Ireland specialising in photographic goods are interested in handling chemist sundries and toilctries, Excellent connections with pharmaceutical trade both in Dublin and the Provinces. They would like to hear from manufacturers of such goods seeking representation in the Republic. C 5943

OVERSEAS

IMPORTERS AND DISTRIBUTORS of perimported and chemists' sundry lines, no Australia, are interested in obtaining further agencies in this field. Director will be in London in the second part of April 1964. Please contact this journal. Box C 5980.

WANTED

WANTED: Surplus cameras, enlargers, cine cameras and projectors, photographic equipment of every description. Surplus and outdated film and paper, large or small quantities, Phone, write or eall: Spears (Dept. CD), back Watling Street, Shudehill, Manchester, 4. Telephone: BLAckfriars 9432 (5 lines). Bankers: Midland Bank, Ltd. C 613

WE PURCHASE surplus and redundant stocks of every description especially packing material. Spot eash settlement. Reliance Trading Company, 23-25 Charles Lanc, St. John's Wood, London, N.W.8. JUN, 0701. C 599

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere, Write or telephone: Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Park 3137-8.

BUSINESS OPPORTUNITIES

CONTRACTS for tube filling of ereams and ointments undertaken by Dublin Pharmaccutical Company, Box C 5977,

MANLY MAN'S BELT. Nationally advertised "obtainable from chemists," 35/-. Full trade terms, Order by waist from Manly Co., Manor House, Worcester Park, Surrey. DERwent 3877.

TRADE MARKS

TRADE MARK No. B818556 consisting of the word "MILICAL" and registered in respect of "all goods included in Class 5" was assigned on 20th February. 1964, by Laboratoires du Lanord, of 23 Rue de La Paix, Paris 2e, France, to Lanord Limited, of 11 Ironmonger Lanc, London, E.C.2. WITHOUT THE ENTIRE GOODWILL OF THE BUSINESS IN WHICH IT WAS THEN IN USE. C 9009

THE TRADE MARKS set out below were assigned on 30th January, 1964, by Industrias Quimicas Martins Costa Ltda. of Rua Javaes, 448, Sao Paulo, Brazil, to New China Peppermint Company Limited, of 10 First Lanc Chang Chia Peng, Pootung, Shanghai, China, WITHOUT THE GOODWILL OF THE BUSINESS IN WHICH IT WAS THEN IN USE. Reg.

No. Mark 806730 POLAR BEAR

Goods Peppermint oil being an essential oil.

806731 POLAR BEAR

Menthol tals for pharma-maceutical pur-poses. C 5983

FINANCE

RELEASE CAPITAL tied up in book debts by using our Sales Finance service. CML, 115 Gloucester Place, W.1. C 5683

FOR SALE

COMPLETE modern dispensary, double dispensing counter, shelving, special sink, bottle rack. Perfect condition. Recessed label. Shoprounds, nest of drawers, Glass labels. Lawrence, High Street, Rhyl. C 5946

COUNTERS AND FITTINGS

Glass Display Counters from £24.0.0 Counter Self Selection Units from £14,10.0

Counter Showcases, all glass from £5.5.0

All finished L/Oak, Others available.

Carriage free London.

Write or phone for fully illustrated lists or call at Showrooms:—

RUDDUCK & CO. (SHOPFITTERS), LTD., 70-74 CHY ROAD, LONDON, E.C.1. CLE, 2116

C 655

75-GALLON ROUND COPPER TANK, A 75-GALLON ROUND COPPER TANK, £30; a 75-gallon mild steel tank, £20; a Gravfill 2-head suction filling machine. motorised for bottles or cans, £60. These items are surplus to our requirements and are offered at less than a third of actual eost. Write or phone: Paul A. Daniels, Ltd.. 13 Terrace Road, South Hackney, London. E.9. Phone; AMHerst 8005, C 5872

MISCELLANEOUS

COHAR FOR CARPETS offer 15%—20% saving, all leading makes, earriage free U.K. Huge saving on Venetian Blinds, Sewing Machines, Typewriters, Parquet Tiles, Furniture, Washing Machines, Refrigerators, Lawn Mowers and Power Tools, Showrooms at London, Leieester, Sheffield, Bradford, Leeds, Hull, Middlesbrough, Manchester, Neweastle, Bristol, Hadleigh (S.), Liverpool, Cardiff, Swansea, Aberdeen, Edinburgh, Cambridge, Plymouth, Bournemouth, Brighton, Glasgow, Dundee, Birmingham, Preston, Blackpool and Belfast, Write—Cohar Distributors, 47 Oswald Street, Glasgow, C.1, Or phone: Glasgow CENtral 8325, Birmingham MIDland 8333, London CHAncery 2345, Manchester CENtral 2321, C600

PLASTIC BABY PANTS

8/9 per dozen. Carriage paid.

Special quotations for quantities,

Details and samples from manufacturers

A. & H. HEYMAN, 27 Grange Road, Darlington.

FASHION JEWELLERY, Jodez (M/C), Ltd., 9 Sugar Lane, Manchester, 4, have now their new spring range of Necklets, Brooches, Bracelets, Rings. Hair Ornaments, 9 carat Gold Jewellery from the Continent in stock. Sales parcels still available. C 5824

15% DISCOUNT FOR CASH FURNITURE, BEDDING, CARPETS

12½% discount on Electrical Goods, 7½%—10% on Cookers

All leading makes supplied. Readers All leading makes supplied. Readers of The Chemist and Druggist are invited to visit our well-stocked showrooms. Three floors of furniture on display. Delivery free, any distance. Discounts based on advertised retail prices. (Half-day Thursday.)

MOLENS (House Furnishers), LTD., 600 Lea Bridge Road, London, E.10.

Tel.: LEYtonstone 9111,

Technical Books for the Pharmacist's Library...

CHEMIST'S VETERINARY

HANDBOOK 11th Edition, 1957 Formerly Veterinary Counter Practice New edition in course of preparation Provides the pharmacist with adequate and up-to-date information on anima diseases, their causes and the drugs used in their causes and the drugs used in their control, thus enabling him to answer the inquiries and meet the requirements of members of the veterin ary profession; to dispense their prescriptions; and to handle with know ledge the goods that farmers, poultry keepers and pet owners are accustomed to buy from him.

PHARMACEUTICAL EMULSIONS AND EMULSIFYING AGENTS

New edition in course of preparation. New edition in course of preparation.

One of the most thumbed volumes in libraries used by pharmaceutical students, this compact handbook is essentially practical and informative, giving the modern scientific basis of the acquired skills and knowledge of generations of practising pharmacists. The much enlarged index reflects the ever-growing availability and use of proprietary emulsifying agents.

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11th Edition, 1963

A CONCISE survey of the most modern methods of medicine, providing phar-macists (as well as nurses, physio-therapists, dieticians and almoners) with a text-book of information on the treatment of diseases and the drugs used. Accepted methods are explained, and the medicaments mentioned include some of very recent introduction. Price £1 1s. 0d. Postage 9d.

THE PHARMACY OF SILICONES AND THEIR USES IN MEDICINE

1st Edition, 1958

By RONALD LEVIN, F.P.S.

THE silicones are a group of compounds of growing importance. To the pharmacist, engaged in whatever sphere, this book provides both interest and en-lightenment. The author has taken extreme care to tap all available sources of information on the subject, and gives his readers the benefit of his findings. There is also an extensive bibliography.

Price 15s. 0d. Postage 8d.

ESSENTIALS OF TREATMENT

1st Edition, 1056

A MOST concise guide to modern medical outlooks on many commonly encountered diseases and conditions, showing the place of the newer remedies among those of longer establishment, and discussing the relative merits of medical, surgical and nursing techniques niques.

Price 17s. 6d. Postage 9d.

THE CHEMIST AND DRUGGIST 28 Essex Street, Strand.

London, W.C.2



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SECTION

for the

BEST RESULTS

Whatever your want may be-securing or disposal of property or business agencies, assistants, situation or appointment, sale of equipment or surplus stock - you can always rely on this renowned medium. It provides first-class contacts either at home or overseas.

TARIFF

APPOINTMENTS - AGENTS - AUCTION SALES - BUSINESSES FOR SALE and WANTED — CLEARANCES and WANTS — CONTRACTS — MISCELLANEOUS — PATENTS — PARTNERSHIPS — PREMISES — PUBLIC and LEGAL NOTICES — SITUATIONS VACANT

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SITUATIONS WANTED-6/- for 18 words minimum, then 4d. per word.

BOX NUMBERS-2/- including forwarding of replies.

Press date is 4.0 p.m. TUESDAY in London. Instructions and 'Copy' accompanied by Remittance should be sent to:

THE PUBLISHER,

CHEMIST AND DRUGGIST 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telephone: CENtral 6565

Telegrams: "Chemicus," Estrand, London

DO-IT-YOURSELF GALENICALS:

a matter of prideor profitability?

Many firms have produced their own galenicals for *years*. First-class galenicals, too, but today's increasing overheads and competition demand that the pertinent question above be asked and answered.

Getting a check price from RANSOMS could be very revealing . . .

Ransom's entire business is geared to the cultivation of medicinal plants, the production of drugs and galenicals and the processing of finished products. The number and quantity of galenicals produced for customers all over the world continually increase. As a result, the prices at which Ransoms can sell are often less than their customers' own cost of do-it-yourself production. At the same time, Ransoms enable customer-companies to free valuable space for additional, more profitable operations. These considerations can be not only revealing, but conclusive. And Ransoms are an entirely self-contained family business, unconnected with any other firm in the industry.

EXTRACTS TINCTURES ESSENTIAL OILS INFUSIONS SYRUPS RESINS OLEO-RESINS CHLOROPHYLL, ETC.



ACTUAL GROWERS OF BELLADONNA, HENBANE, PEPPERMINT, FOXGLOVE, LAVENDER, etc.

WILLIAM RANSOM & SON LTD.

Manufacturing Chemists and Growers of Medicinal Plants for over a Century
Hitchin, Hertfordshire, England



"Pushing your name"

used to be, for some people at any rate, a strenuous and often ill rewarded venture. Things have changed, of course, and though in business the principle still remains wholly admirable, the various ways which one can choose to achieve this are much more attractive and certainly far more profitable.

In pharmacy, for instance, perhaps the best method is to display and sell quality preparations under your own name, and push those — and at your own price. You will find it comparatively easy with a good return for your initiative.

ARTHUR H. COX & CO., LTD. BRIGHTON, ENGLAND

125 years in the service of pharmacy

Twenty Years Young-and growing...

MetalBox wishes all success to Rosedale Products Ltd. on the launching of their new deodorant

Metal Box are suppliers
to Rosedale of aerosols, valves and
plastic components for
aerosols, and plastic bottles.



THE METAL BOX COMPANY LIMITED . 37 BAKER STREET LONDON W1 . HUNTER 5577

Into a Third Decade

ROSEDALE LOOKS TO THE FUTURE WITH A NEW RANGE OF PRODUCTS

N introducing a new range of products, in a field they-have not previously entered during their twenty years in the hair-care world, Rosedale Products, Ltd., have set the pattern for their future development.

The new range, announced this week, comprises three products which the directors of the company confidently expect will make a big impact on the market in preparations promoting feminine personal freshness; a deodorant mist and an antiperspirant roll-on and spray.

Massive Advertising

To get sales off to a good start in the all-important summer season, they have booked a massive advertising campaign, which will start on May 2 and will include whole pages in full colour in the leading women's magazines as well as support on Radio Luxembourg. The total appropriation, thought to be the biggest ever for the launch of a deodorant range, and amounting to about one-third of the total annual expenditure on all deodorant advertising, is £100,000. First orders from the trade—placed even before the public have been told of the new products, have been well above expectations, and Mr. Sidney Levy (managing director) has set himself the target of a place among the top three sellers in the field within a short period. He believes the target will be reached, basing his forecast on the company's

having produced "a first-rate product, in a good pack, at the right price."

The Deodorant Market

The market for deodorants is still in a stage of rapid expansion, recent surveys showing that there remains much room for development beyond the present considerable volume. It has been estimated that 48 per cent. of women over sixteen years of age already use some form of deodorant, but of the total United Kingdom sales 30 per cent. are made in the London area. Greatest growth in the market has been among the younger age groups (up to twenty-four) and for that reason Messrs. Rosedale are making good use of Radio Luxembourg in their advertising. There remains, however, a largely untapped market of older women to whom deodorants must be introduced by the retailer's personal recommendation and educational propaganda.

The New Trio

Rosedale antiperspirant is available, as already indicated, in the two forms of a spray and a roll-on. A feature of the roll-on is its higher viscosity than most similar products, a property that has made it possible for the manufacturer to overcome the disadvantages of crystallisation and consequent ball sticking common in many other roll-on formulations. The deodorant is intended for spraying on to the skin and for

that purpose is presented in a plastic flask that delivers a fine mist. All of the products incorporate a high quality perfume. The flask for each is in a distinctive colour—the antiperspirant spray in yellow, the roll-on in blue, and the deodorant mist in pink. Refill quantities of all three products are presented in glass flasks, the flask for the roll-on being packed with a "spoon" which easily lifts the plastic ball from the neck of the unit before the antiperspirant is transferred.

Introductory Bonus

For the retailer six units are supplied in a display outer and point-of-sale show material is available. A special introductory display parcel carries bonus terms.

Manufacture of the deodorant range is being undertaken in conjunction with Thos. Christy & Co., Ltd. (distributors for Rosedale products) at their Aldershot, Hants, factory, where over 500,000 units are in readiness for dispatch to retailers.

Technical Note

The properties of an antiperspirant and a deodorant are combined by many manufacturers in a single preparation, but Rosedale Products, Ltd., consider that the two functions, though complementary, are not necessarily required together and indeed their combination may even limit the preparation's use.

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THOS. CHRISTY & Co. Limited

ALDERSHOT

Distributors of ROSEDALE Products



HAIR PREPARATIONS

Lanospray Flasks	3/3d
Lacquer Flasks	3/3d
Lanospray Sachet Refills .	2/4d
Lanospray Bottle Refills .	2/4d
Lacquer Sachet Refills	2/4d
Lacquer Bottle Refills	2/4d
Crystal Clear Sachet Refills	2/4d
Crystal Clear Bottle Refills	2/4d

Lanospray Aerosol small . 4/3d Lacquer Aerosol small . 4/3d Crystal Clear Aerosol small 4/3d Lanospray Aerosol large . 5/9d Lacquer Aerosol large . 5/9d Crystal Clear Aerosol large 5/9d Bubble Bath Sachets . . 9d Dry Shampoo . . . 2/6d

DEODORANTS AND ANTI-PERSPIRANTS



Rosedale deodorants being packed at the Aldershot factory of Thos. Christy & Co., Ltd.



Orders are assembled for distribution to retailers.

To appreciate the company's motive, it must be remembered that to perspire is a necessary natural function that may not be eliminated entirely. Over large areas of the body, an antiperspirant cannot therefore be used.

However, certain areas can become an embarrassment in warm conditions, in particular the armpits, at which accumulation of perspiration through non-evaporation can lead to the soiling of clothing, besides being uncomfortable. In such areas an antiperspirant may safely be used, thus checking the flow of perspiration and consequently the odour derived from it.

Sweat, when freshly secreted, has relatively little odour. Only after bacterial decomposition of the organic matter it contains does the odour be-

come offensive. It is therefore seen that removal of bacterial activity by means of a bacteriostat or bactericide prevents any objectionable odour developing. That is the mechanism by which the true deodorant preparation acts, and it may be used over much wider areas of the body than can an antiperspirant or a combined product, because perspiration is able to proceed unhindered. However, the deodorant is intended to be used mainly to prevent unpleasant odour developing in sweat that has already been secreted—for example in the evening, when it has not been possible to apply an antiperspirant beforehand. Hence Rosedale offers two products instead of the "all-purpose" preparation offered by so many other manufacturers.



The new range of products shown to advantage in a counter display unit.

Rosedale

DEODORANT MIST

ANTIPERSPIRANT SPRAY

ANTIPERSPIRANT ROLL-ON

BONUS DISPLAY PARCEL

24 FLASKS Eight of each product

12 REFILLS FREE



supply shampoo manufacturers all over the world



Sulphated primary fatty alcohols, and sulphated alcohol ethers -- the raw materials for modern shampoos —are made in variety by Marchon. And this range of chemicals of cosmetic quality, which includes the well-known Empicols, provides the bases for the kinds of shampoo that manufacturers, their customers —and fashion—demand. Liquid, cream, lotion, powder and jellywhatever the popular type of the day-Marchon have the raw material (with the physical characteristics) to meet that need precisely. Wherever the need arises. For Marchon chemicals are sent to all parts of the world.



We are pleased to be associated with Rosedale Products
as suppliers of their glass
containers

THE INTERNATIONAL BOTTLE CO. LTD.

140 PARK LANE, LONDON, W.1 TELEPHONE: MAY 6992 (5 LINES) TELEGRAMS: AUTREFOIS LONDON, W.1

The Man Behind the Name

PROFILE
OF MR.
SIDNEY M.
LEVY

AFTER twenty years of being "his own master," Mr. Sidney M. Levy (managing director of Rosedale Products, Ltd.) might be excused some feeling of pride in pausing to look back over the road that has led to his company's present success. Such an action would, however, be out of character, for here, if anywhere, is a man who has his eyes firmly focused on the future—the future of the company he created, and which he sees as one of continued expansion and development.

Born in London in 1928, Mr. Levy took his first job as a trainee diamond polisher at the age of fourteen. He soon found the amount of milk he was required—as a diamond polisher-to drink each day in the interests of health was too much for him and in only the third week of his working life, he was to be found employed in a new post in one of London's wholesale warehouses. That did not long satisfy him, and he resigned to take a post as trainee representative with a company marketing toilet preparations and cosmetics. At last his interest was aroused, and within a short time he was making small batches of shampoo and brilliantine in a backroom at Highbury in North London. From those modest, even primitive beginnings, Mr. Levy finds himself two decades later a director of seventeen companies and in possession of a substantial personal fortune. Today there are others to assist him in the planning and organisation of his company, but Mr. Levy continues to be the "brain" behind every policy decision. He works hard and long and obviously enjoys every minute of his

With his wife, Aileen, and twelve-year-old son Stephen. he lives in a new house in St. John's Wood, North-west London.

In attending to his various commitments, he moves across the City in a chauffeur-driven Rolls-Royce, which leaves him free to continue working between appointments using a portable dictating machine.

Twenty Years to Success

A SHORT HISTORY
OF ROSEDALE
PRODUCTS, LTD.

A LITTLE over twenty years ago, "Rosedale" was no more than the name of a house in North London at which Mr. Sidney Levy commenced his manufacturing activities. Today, incorporated in the company's title Rosedale Products, Ltd., the name is automatically associated in the minds of thousands of users throughout Great Britain with a wide range of hair-care products. How that expansion came about is a fascinating success story that turns upon the personality of the company's managing director.

the personality of the company's managing director.

In 1944 Mr. Levy, who had already been "dabbling" in the manufacture of hair preparations outside his working hours, decided to go into the business full-time. Still only sixteen years of age, he acquired a garage in North London and, equipped with a second-hand gas boiler, began making shampoos and brilliantine for the hairdressing trade, selling the finished products under the name "Rosedale" (that of his own home).

At that time, of course, war conditions prevented the established manufacturers of hairdressing goods from keeping the trade supplied, their production capacity having been directed towards the war effort. It was thus into an open and eager market that the young Mr. Levy brought his wares. Those hairdressers who were fortunate enough to be offered supplies were soon placing regular orders. As the business expanded the single-handed effort of collecting orders, manufacturing the required items and delivering the products all too soon had him working a seven-day week,



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and the young technician capitalist decided to become an employer of labour — he took on a part-time woman assistant!

First Factory

Demand for the Rosedale products continued to rise and room could not be found in the garage for the additional plant that came to be needed. Mr. Levy found his first "real" premises in Newington Green, where the



Mr. Jack Levy, director responsible for production at the Billericay factories.

seemingly vast floor area of 350 sq. ft. opened up prospects of much greater development. In 1946, the business was formed into a limited company, Rosedale Products, Ltd., for the purpose of marketing toiletries and cosmetics. In the same year Mr. Levy was joined by his elder brother Jack, who up to that time had been engaged on military service.

A Difficult Period

The new company rode on the crest of the post-war boom in the hairdressing trade. By 1948 it had moved to a new 4,000 sq. ft. factory at Birkbeck Road, Dalston. By that time it was employing a staff of five. But the road was less open than it seemed. The larger, and longer established manufacturers, released from their wartime commitments, had been rapidly expanding as their own staff returned from the Services. Competition for sales had them manufacturing in quantities well beyond the relatively meagre resources of the Levy brothers. By 1949 the company was financially in an impossible position and Mr. Sidney Levy was advised by his accountant to go into liquidation. To a man of his calibre such a prospect was unacceptable. He had founded the company and developed it into a thriving concern. He was not going to see it die!

For two years every possible economy was practised. Mr. Levy personally made rounds of the customers by public transport and carrying a large suitcase of stock. His devotion to and sacrifice for the business paid dividends.



ROSEDALE Hair Lacquers contain

PVP

a British Oxygen product

POLYVINYL PYRROLIDONE, manufactured by British Oxygen Chemicals Limited, is used by Rosedale Products Limited in their hair lacquers. PVP is a film-forming polymer, supplied in powder form, readily soluble in water and alcohol to give substantially colourless solutions.

PVP has a strong affinity for protein fibre, giving hair a controllable crispness and gloss without risk of unsightly flaking. It is a key ingredient in hair lacquers, setting lotions, creams and other cosmetics.

BRITISH OXYGEN CHEMICALS LIMITED (RO



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First of the factories at Billericay, Essex, opened by Rosedale Products, Ltd.

and from 1951, the company began an upward trend that has continued to the present day.

The popularity of Rosedale products in the hairdressing trade suggested to Mr. Levy that the public might also find them acceptable for use at home. Accordingly he caused a range of hair lacquers and sprays to be launched, which was made available in 1955 to retail outlets, including chemists. Both sides of the business continued to thrive and by the middle of 1958 it had become necessary to purchase further premises. They were found in Clarence Road, Hackney, housing the company's administrative departments and providing additional warehouse accommodation. In that year retail sales grew to a volume that called for them to be handled separately from "trade" orders. The decision was taken to seek an established distributor, and a company able to offer all the facilities required (warehousing, transport, and an experienced sales force) was found in Thos. Christy & Co., Ltd. Messrs. Christy had at their Aldershot, Hants, factory a considerable manufacturing capacity (later to prove a specially valuable asset when the new Rosedale deodorant range was considered). They operated a regular delivery service throughout Great Britain, using their own lorries. And—perhaps above all—the name of Christy had been known to and respected by chemists for almost a century. (A history of Thos. Christy & Co., Ltd., was given in THE CHEMIST AND DRUGGIST in 1960 on the occasion of the company's centenary.)

Prosperity was coming to the young company not without setbacks. In 1957 a large part of the Dalston factory was destroyed by a fire that halted production for six weeks. Much money was lost in that disaster, but to the credit of Mr. Levy no staff found themselves out of work in consequence of the fire. Soon the company was expanding once more.

In 1961, with accommodation once again cramping production, another move became essential. At that time, when Britain was contemplating entry into the Common Market, export trade looked as though it might figure prominently in the company's future expansion. Opportunities for expansion and factory building in London were becoming

both more limited and more expensive. Facing those facts Mr. Levy decided to move production away from London. He found the ideal site on an industrial estate at Billericay, Essex. The situation was served by a fast rail service both to London and to the Southend airport link with the Continent. Since 1961, two further factories have been built on the estate, both of them opened in the summer of 1963.

Although Britain, in the event, did not enter the Common Market, plans for exporting Rosedale products were not shelved, and today the company sends consignments not only to Europe but also to the Near and Far East.

What of the future? Mr. Levy emphasises that work is being constantly devoted to the improvement of existing products, but he intends to add at least one new one for the retail trade every eighteen months or so. He backs his enterprises with an annual advertising appropriation of over £160,000 and users, having had the opportunity of trying out the products, have been impressed by their high quality. Proof of that boast lies in the quantity of bottles, sachets, and aerosols pouring daily from the production lines; first into the shops and then—more important—into customers' shopping baskets.



One of the company's lorries ready to leave with another consignment of Rosedale products.

The Directors of

Chas. Zimmermann

extend their

good wishes

ROSEDALE

for the success of the new Rosedale Anti-Perspirant and Deodorant

They are pleased to have been able to contribute in some measure over a long period to the high standard of Rosedale products, and wish the Company continued prosperity and success with this latest addition to their range.



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Where the Rosedale products are made

LARGE CAPACITY IN NEW FACTORIES



Opening ceremony for the first Billericay factory was performed by the chairman of Basildon urban district council.

THREE factories on a new industrial estate in Billericay, Essex, now form the hub of the Rosedale organisation. Between them they occupy a total floor space of 35,000 sq. ft. and employ a staff of 120. The transfer from London into the country, stimulated by the need to increase production capacity and the desire to bring all departments together, began in July 1962 when the first factory was opened to cater for all the company's production except for the aerosol-filling plant. The premises, like the two sister factories later to be sited on the same estate, are single-storied and lie back from the service road in a garden setting. The layout follows the sequence of manufacture, the various stages being separated by movable Pyrotenax construction units. To provide and maintain a comfortable working temperature an oil-fired system was installed that provides warmth in the winter and cool air in the summer months. Raw materials, containers and packages take up one-third of the floor area (large quantities have to be held in stock to meet fluctuation demands for individual products).

Spirit-based Materials

The manufacturing section of the factory is divided into two parts. The first, in which spirit-based lines (for example lacquers) are made, is partitioned from the main building by a floor-to-roof concrete wall, a barrier to prevent the spread of fire. All manipulation of material in the section is carried out by remote electrical control from outside the room. When a batch of a product is prepared, the basic materials and perfume are put into one of two mixing "tumblers" reminiscent of larger beer barrels. The room is then sealed, and industrial spirit is pumped into the tumbler from storage tanks outside the building. The finished product is transferred, again by remote control, via a filter press to one of four plastic tanks to remain there until required. From the tanks it can be pumped direct to the filling machines.

Other, non-inflammable products, such as shampoos and creams, are prepared in the larger part of the manu-



The Directors and Management of I-to-I Plastics Limited take pleasure in associating themselves with this special ROSEDALE Supplement and to extend to them every kind wish and thought for their continued success.

Better fit- STACK CAPS

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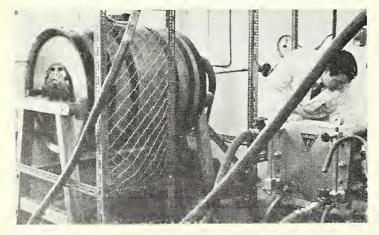
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A section of the liquid and cream preparation room.

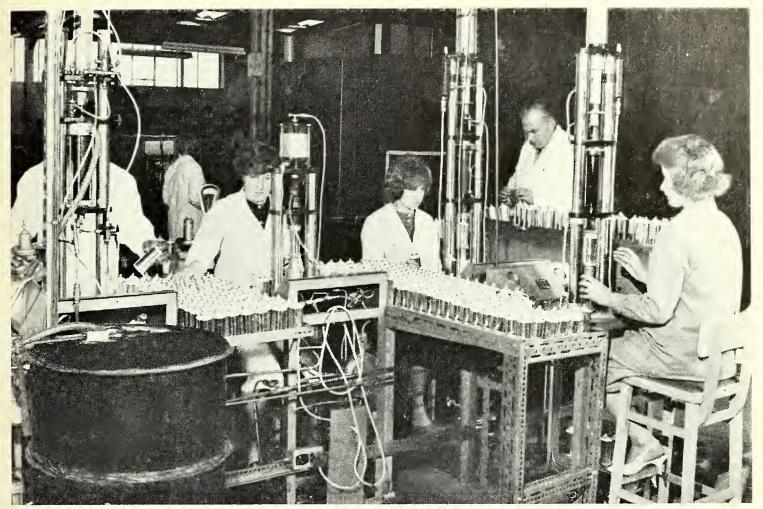


Mixing drum and filter press for spirit-based products.

facturing section. Equipment here comprises seven water jacketed stainless steel boilers, of which the five smaller ones, each holding 50 gall., are destined to be replaced by larger ones in the near future. Two larger boilers, each of 130-gall. capacity, were designed specifically for the company's use. Though at present heated electrically, they are capable of immediate conversion to steam operation at a later stage, when all the boilers will be of that type. Portable electric stirrers are used for the mixing processes.

The packaging department has at present a single conveyor-belt filling line, though bulk containers can be filled on a bench system. To the line are brought transportable filling, capping and labelling machines according to the product being packed. Each week the department fills and packs thousands of galls. of hair lacquer, on average ten tons of cream shampoo, and 4-5,000 gall. of liquid shampoo and other items such as cold wave lotions. The completed products are stored temporarily on racks in the factory's final section before being transported either to the works of Thos. Christy & Co., Ltd., at Aldershot, for distribution to chemists and other retail outlets, or to Messrs. Rosedale's own warehouse at Clarence Road, Hackney, for supply to the hairdressing trade. To cater for that side of its activities the company runs a fleet of six 15-cwt. lorries and three 6-ton trucks and provides a regular delivery service throughout Great Britain. This first of the company's three factories is completed with administrative offices, a staff canteen, and a quality control laboratory.

Filling of aerosols began at the company's Dalston factory in November 1962, and was the last function to be moved to the Billericay estate. Only forty-eight hours



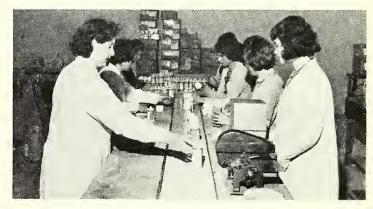
Aerosol filling operations: (left to right) 1, Active ingredients are added to the can. 2, Crimping-in the valve assembly. 3, Injecting the propellent.

elapsed from the start of the transfer (in June 1963) to its being in full operation in its new home. Standard Aerofill equipment is used on the production line, and the output is 10,000 units per day. The company is soon to install, in addition, a fully automatic line that is expected to treble the factory's present output.

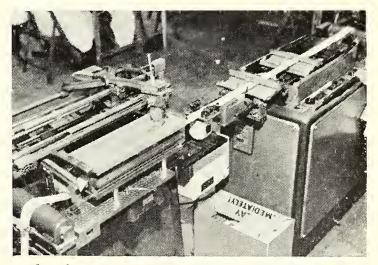
First stage in filling is to put the appropriate quantity of the product in the aerosol can. Next the valve assembly is added by hand, and a gas-tight seal between the two is effected by crimping the edges. Propellent is then forced into the can, completing the unit. At present the propellent arrives in drums each containing 1,820 lb. but a bulk storage tank, soon to be operational, will allow a continuous feed of the "gas." It will itself be filled direct from a road tanker outside. Each pressurised container is tested for leaks by passing it, on a moving belt of magnetised slats, through a water bath, any suspect units being rejected. Excess water is then removed by an air jet, and the containers are dried by passing them through a warm-air oven before they are automatically labelled, capped, and cartoned for dispatch.

Sachet Unit

An increasingly important part in the Rosedale range during recent years has been played by the sachet pack. That is true not only of products for retail sale, in which field single-application shampoo units and lacquer refills are now familiar, but also among "trade" customers, with whom the sachet has also found favour. Giant sachets of concentrated shampoos, whose contents dilute to produce a gallon of working solution in the hairdressing salon, save space for both manufacturer and customer, besides reducing carriage and container costs. Altogether, Messrs. Rosedale's sachet packing section produces about 1½ million units every month, and new ideas for using the sachet



Packing the completed aerosols for dispatch.

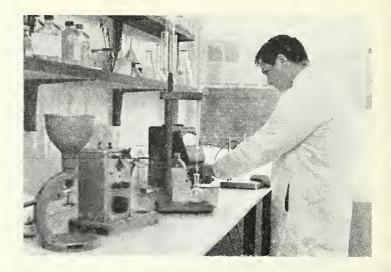


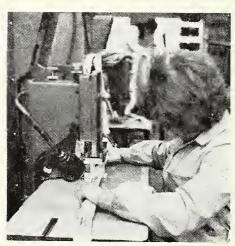
Layflat tubing for sachets is automatically printed by a silk-screen process.

method of presentation are always being sought. A problem is, however, that some materials are incompatible with the plastics used for the shell. Research to test compatibilities, and to overcome the problem if it arises, are an essential part of the development programme for each new product. Cold wave lotions, for example, react with the PVC normally used for the sachets, causing a change in ph. Working in co-operation with the plastics manufacturers the company were able to find a material that resists the change.

Techniques of sachet filling are relatively simple to the casual observer but, as the factory manager explained, "know-how" acquired only by practical experience makes the difference between success and failure. Basically the procedure involves first the printing of specially prepared plastic produced to Rosedale's own specification by an automatic printing plant, again specially built for the Rosedale methods, and the company has developed a unique way of overcoming the problem of drying the printing ink at this stage. The method is, of course, a jealously guarded trade secret. The printed plastic is next filled with the cream or liquid being packed. They pass through hand-operated machines which shape and divide off the sachets by a process of high-frequency welding. That causes a temporary rearrangement of the plastic molecules under the electrodes leaving the two layers of material permanently joined at those points. Final separation is done by hand. The resulting sachets are surprisingly resistant to external pressures and may be expected to stand up to any treatment they are likely to receive on their way to the customer.

The company has a fully equipped engineering workshop, employing five qualified engineers. The engineers carry out not only the maintenance of existing plant, but the development of new machines to meet the company's own special needs.





Above: Part of the quality control laboratory at the Billericay factory. An operator divides the continuous tubing into sachets using a high-frequency welding.

Our very best wishes to

ROSEDALE

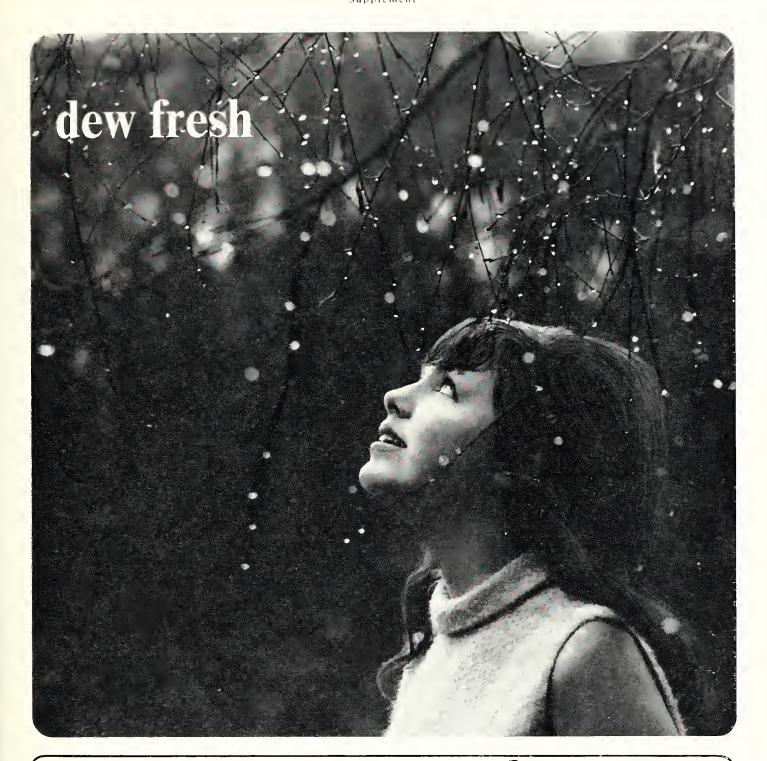
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